

Tue Sep 11 06:30:05 2001

19_21_23est.find

Page 1

!SEQUENCE_LIST 1.0
!FINDPATTERNS on EST: * allowing 0 mismatches
1 CGGGCCAGTGAGGGTATTATCAGTGGTGGCN[]AAGGCCTCTAGTTAGCCAGTN[]CAACAAATAGTAAATT

671 ACTGCCAACATAATAGTAATTATCCGCTCACHTTCGGGGAGGGACCAAGCTGGAGATCA
702
731 AACGTGCGCCGAGAACAAA
...

1 match found in sequence:
hsccfvq10 ; TOIG of: hscfvq10 check: 5173 from: 1 to: 732
(from: '19_21_23ge.seq')
TOIG of: hscfvq10 check: 5173 from: 1 to: 732
Locus Hsccfvq10 732 bp mRNA
Definition H.sapiens mRNA for single-chain Fv fragment, isolate C1q/10.
Accession Y13057
Version Y13057.1 GI:2077996
Keywords scfv gene; single-chain Fv fragment.
Source human.
Organism Homo sapiens
Reference 1 (bases 1 to 732)
Authors Kontermann,R.E., Wing,M.G. and Winter,G.
Title Complement recruitment using bispecific diabodies
Journal Nat. Biotechnol. 15 (7), 629-631 (1997)
Medline 97362799
Reference 2 (bases 1 to 732)
Authors Kontermann,R.E.
Title Direct Submission
Submitted (08-MAY-1997) R.E. Kontermann, IMT, Universitt Marburg,
Email-Mannkopff-SR. 2, 35033 Marburg, FRG
Location/Qualifiers^{1.}
Features source
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/organism="Homo sapiens"
/isolate="C1q/10"
/specific_host="H.sapiens"
/db_xref="taxon:606"
/dev_stage="adult"
/lab_host="E.coli"
1. . 732
gene="scFv"
<1 . >732
>gene="scFv"
/codon_start=1
/product="single-chain Fv fragment"
/protein_id="CAA13500.1"
/protein_id="CAAY3500.1"
/translation="QVQIVQSGAEVKKPGDSVVKVSKCKASGTFSDHIMHWVRQAGQG
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ASGCIHLWAKQRGKPKLITKASSLASGAPSRFSGSGSGTDEFTLTISLQDD
FATVYCCQISNYPLTEGGTKIIR"
base_count 169 a 187 c 221 g 155 t
origin
hsccfvq10 Length: 732 September 10, 2001 07:28 Type: N Check: 5173 ..
Found using '19_21_23' (spector09ln.key)
...
428 CTCCCTCCACCCCTGTCATCTTATGGAGACAGAGTCACCATCACCTGCGCGGCCAGTG
478
488 AGGTATTTATCACTGGTGGCCAGGATACAGAAGGCCAGGGAAAGCCCTTAATTC
...

19 → 1D21 →
TGCATCTTATGGCTCTAGTTAGCCAGTGGGCCCATCAAGGTCAAGCGCAGTGGAT



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> O < IntelliGenetics
> O <
Quest - Quick User-directed Expression Search Tool
Release 5.4

Selected search type is key against sequence data banks or files.

Selected sequence key from "spector09in.key":
1 19_21_23 (NA) ID 19_21_23 NA preliminary pattern
followed by
2 cggggcagtggggatccatcactgggtggcc
any number of any character
2 aaggccctcaatggcggat
any number of any character
2 caaataatagaattatcccgatc

Selected data banks and files:

Data bank : Issued_NA , all entries
-- Output Parameters --
Format Options: File Options:
Nucleic acid code matching Exact Indirect file
Find non-matching hits only No Sequence or key file
Report key used Yes List of hits
Note position of hit Yes Hit
Display full annotations Yes Name and annotations
Sequence context 50

Run mode -- Run Parameters --
Time to start comparison Batch
Notify at end of run now
No

1 match found in sequence:
US-08-652-816A-29; Sequence 29, Application US/08652816A
(from "/srch/ina/5B.COMB.seq")
Sequence 29, Application US/08652816A
Patent No. 5872215

GENERAL INFORMATION:
APPLICANT: Osbourn, JK
APPLICANT: Allen, DJ
APPLICANT: McCafferty, JG
TITLE OF INVENTION: Specific binding members, materials and
METHOD OF INVENTION: methods.
NUMBER OF SEQUENCES: 53

CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America

COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/652-816A
FILING DATE: 22-MAY-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9125579.4
FILING DATE: 02-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9125579.8

FILING DATE: 02-DEC-1991
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: GB 9206372.6
FILING DATE: 24-MAR-1992
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: GB 9525004.9
FILING DATE: 07-DEC-1995
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: GB 9610824.6
FILING DATE: 23-MAY-1996
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: PCT/GB92/02240
FILING DATE: 02-DEC-1992
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/244,597
FILING DATE: 01-JUN-1994
ATTORNEY/AGENT INFORMATION:
NAME: David W. Clough
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 28111/33308
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-474-6300
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 324 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
Found using '19_21_23' (spector09in.key)

20 CTCCTTCCACCCCTGGCTGCACTATGGAGACAGAGTCACATCCTCTGGGGCCAGTG
-----70
80 AGGGTATTATCATCTGGTGGCTATCAGCAGAAGGGAAAGGCCCTAACTCC
-----140 TGATCTATAAGGCCCTAGTTAGCCAGTGGGCCCATCAGGTTCAGGGCAGTGGAT
-----200 CTGGACAGATTCACTCACCATAGCAGCTGAGCTGATATTGCAACTTAT
-----260 ACTGCCAACATAATGTTATTACCGCTCACITTCGGGGAGGGACCAAGCTGGAGATCA
-----291 AACGT
320 AACGT

-- Search Statistics --
Times: 00:06:02.04 CPU 00:14:17.00
Number of sequences searched: 325093
Number of sequence hits: 1
Number of separate matches: 1
Number of sequence hits saved: 0

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> 0 <          PI Allen DJ, McCafferty JG, Osbourn JK;
O 10          XX
> 0 <          WPI: 1997-31979/29.
Quest - Quick User-directed Expression Search Tool
Release 5.4
-- Outline of search "19_21_23" --
Selected search type is key against sequence data banks or files.
Selected scope is sequence.
Selected sequence key from "spector09in.key":
19_21_23 (NA) ID 19_21_23 NA preliminary pattern
1         followed by
2         cggcgacgtttaggtttatccatccgttgcc
2         any number of any character
2         aaggccctgtttagccgt
any number of any character
2         caacatataatgtttatccgttcaat
Selected files:
File : 19_21_23ngs.seq
-- Output Parameters --
Format Options:
Nucleic acid code matching  Exact File Options:
Find non-matching hits only  Exact Sequence or key file
Report key used  No List of hits
Note position of hit  Yes Hit display
Display full annotations  Yes Name and annotations
Sequence context  50
...
-- Run Parameters --
Run mode  Batch
Time to start comparison  now
Notify at end of run  No
-----
1 match found in sequence:
attn2135 ; CEA-specific antibody CEA6 and CEA7 VL gene.
(from "19_21_23ngs.seq")
TOIG of: aat72135 check: 449 from: 1 to: 324
ID - AAT2135 standard; DNA; 324 BP.
XX
AC AAT2135;
XX
DT - 07-DEC-1997 (first entry)
XX
DE CEA-specific antibody CEA6 and CEA7 VL gene.
XX
KW Carcinoembryonic antigen; CEA; human; antibody; scFv;
KW tumour marker; lung cancer; breast cancer; colon cancer;
KW adenocarcinoma; diagnosis; ss.
XX
OS Homo sapiens.
XX
PN W09720932-A1.
XX
PD 12-JUN-1997.
XX
PF 09-DEC-1996; 96WO-GB03043.
XX
PR 11-OCT-1996; 96GB-0021295.
PR 07-DEC-1995; 95GB-0025004.
PR 23-MAY-1996; 96GB-0010824.
XX
PA (CAMB-) CAMBRIDGE ANTIBODY TECHNOLOGY.
XX
Example 1; Fig 1b; 128bp; English.
XX
This nucleotide sequence codes for the light chain variable region
(CC) (VH) (AAW19885) of human carcinoembryonic antigen (HCEA)-specific
antibodies CEA6 and CEA7. VH (AAV72126-32) and VL (AAV72133-35) gene
sequences were determined for anti-HCEA antibodies CEA1-CEA7
(see AAW19876-85) that had been obtained by selection from a
universal phage display library. A claimed specific binding
CC member (A) comprises an HCEA specific antibody antigenic binding
CC domain that has a dissociation constant for HCEA of less than 1 x
10 -8 M, is non-cross-reactive with human liver cells, and
CC preferentially binds to the A3-B3 extracellular domain of HCEA
CC and/or to cell-associated HCEA over soluble HCEA.
Preferred (A) include pairings of VH and VL sequences from CEA1-7,
CC or their CDR sequences, as well as CEA6 VH and VL variants. (A) is
CC used to detect cells expressing HCEA, in vivo or in vitro,
especially tumour cells for diagnosing cancer, e.g. adenocarcinoma
XX
Sequence 324 BP; 80 A; 90 C; 77 G; 77 T; 0 other;
SQ
AAV72135 Length: 324 September 10, 2001 07:31 Type: N Check: 449 ..
Found using '19_21_23' (spector09in.key)
...
20  CTCCCTCCACCCCTGCTGCATCTATGGAGACAGAGTCACCATCACCTCCGGCCAGTG
          |-----|
          70
80  AGGGTATTATTATGACTGGTGGCCCTGGTATCAGCAGAAGCCAGGGAAAGCCCCCTAACTCC
          |-----|
          140  TGATCTATAAGGCCCTAGTTAGCCAGTGGGGCCCCATCAAGSSTTCAGGGCAGTGGAT
          |-----|
          200  CTGGGAGAGATTCAGTCACCATCAGCAGGCCCTGCAGCCTGATGATTTGCAACTTATT
          |-----|
          260  ACTGGCCACAAATATGATTAATPATCGCTCACTTGGGGAGGGACCAAGCTGGAGATCA
          |-----|
          291
320  AACGTT
          |-----|
          1 match found in sequence:
ax05452 ; CEA6 antibody single-chain Fv (scFv) fragment encoding DNA.
(from "19_21_23ngs.seq")
TOIG of: ax05452 check: 9527 from: 1 to: 786
ID AAX05452 standard; DNA; 786 BP.
XX
AC AAX05452;
XX
DT 26-APR-1999 (first entry)
XX
DE CEA6 antibody single-chain Fv (scFv) fragment encoding DNA.
XX
KW Trimeric polypeptide; tetranectin timerising structural element; TMSE;
```

KW fusion protein; ligand binding structure; toxin; enzyme; cytokine; CEA6;
 KW artificial antibody; pharmacokinetic; pharmacodynamic; gene therapy;
 KW transfection; imaging; tumour; human; tetranectin; ss.
 OS Unidentified.
 XX
 PN WO9856906-A1.
 XX
 PD 17-DEC-1998.
 XX
 PR 11-JUN-1998; 98WO-DK00245.
 XX
 PR 11-JUN-1997; 97DK-0000685.
 PA (ETZE/) ETZERODT M.
 PA (GRAV/) GRAVERSEN N J H.
 PA (HOLT/) HOLSET T L.
 PA (KAST/) KASTRUP J S.
 XX
 Etzerodt M, Graversen NJH, Holset T L, Kastrup JS;
 PI Larsen IK, Nielsen BB, Thøgersen HC;
 XX
 DR WPI: 1999-080897/07.
 XX
 PT New monomer polypeptide constructs for diagnosis and therapy -
 PT comprise a tetranectin trimerising structural element covalently
 linked to at least one heterologous moiety for providing functional
 activity.
 XX
 PS Example 4; Page 63-64; 110pp; English.
 CC The invention relates to the design of trimeric polypeptides using
 CC polypeptide structural elements derived from the tetranectin protein
 CC family. The trimeric polypeptides constructed as a monomer polypeptide
 CC construct comprise at least one tetranectin trimerising structural
 element (TSE), which is covalently linked to at least one heterologous
 CC moiety, the TSE being capable of forming a stable complex with 2 other
 CC TSEs, with the proviso that the heterologous moiety is different from
 CC any of the fusion proteins C116FXTN123, H6FXTN123, H6FXTN23
 CC (AAW94261 to AAW94264). The TSE can be used for the construction of
 CC conjugates with heterologous moieties such as a ligand binding
 CC structure, a toxin, a detectable label, an in situ activatable substance,
 CC an enzyme, a radioactive moiety, a cytokine, a non proteinaceous polymer,
 CC a photo cross-linking agent, or a group facilitating conjugation of the
 CC monomer polypeptide construct to a target. They can be used as vehicles
 CC for assembling antibody fragments into oligomeric or multivalent
 CC entities for generating chimeric artificial antibodies having
 CC preselected pharmacokinetic and/or pharmacodynamic properties. The
 CC constructs can be used for targeted gene therapy involving selective
 CC delivery of the material for transfection or infection of the specific
 CC population of cells. They can also be used for delivering a substance to
 CC a cell or tissue or for delivering an imaging or toxin-conjugated
 CC antibody to a tumour. They can also be used for prevention or treating a
 CC disease or for diagnosis. The TSE provides a stable structure which can
 CC act as a vehicle for a wide variety of conjugates. The present sequence
 CC represents a nucleotide sequence encoding a CEA6 antibody single-chain
 CC (scFv) fragment. This is used in the construction of trimerised and
 CC hexamerised scFv antibodies.
 SQ sequence 786 BP; 187 A; 211 C; 227 G; 161 T; 0 other;
 AX05452 Length: 786 September 10, 2001 07:31 Type: N Check: 9527 ..
 Found using '19_21_23' (spector091n.key)
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 434 CTCCTCCACCCATCTCATCTATTGGAGAGACGACCATCACCTGGCGGCCAGTG
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CC and for the in vitro or in vivo diagnosis of various diseases, such as
CC cancer.

XX Sequence 732 BP; 169 A; 180 C; 220 G; 163 T; 0 other;

SQ AAX17989 Length: 732 September 10, 2001 07:31 Type: N Check: 8479 ..
Found using '19_21_23' (spector09in.key)

..

431 CTCCTTCACCCCTGTCACATATGGAGACAGAGTCACCATCACCTGGGGGCCAGTG
481

491 AGGGTATTATCACTGGTTGCCCTGGTATCAGCAGAACCCAAAGCCCTAACTCC

551 TGATCTATAAGGCCTCTAGTTAGCCAGTGGGCCCATCAAGGTTCAAGCAGTCAGTCAGTGGAT

611 CTGGGACAGATTCACTCACCATCACAGCAGCTGCACCTGATGATTTGAACTTTT

671 ACTGCCAACATAATAGTATTATCCGCTCACTTCGGGGAGGGACCAAGCTGGAGATCA
702

731 AA

-- Search Statistics --

times: CPU Total Elapsed

00:00:00.00 00:00:00.00

Number of sequences searched: 3
Number of sequence hits: 3
Number of separate matches: 3
Number of sequence hits saved: 0



> O
 > O < IntelliGenetics
 > O
 Quest - Quick User-directed Expression Search Tool
 Release 5.4

-- Outline of search "19_21_23pen" --

Selected search type is key against: sequence data banks or files.

Selected scope is Sequence key from "spector091n.key":

1 19_21_23 (NA) ID 19_21_23 NA preliminary pattern
 followed by
 2 cggggcagtggggattatcactcggtggcc
 any number of any character
 2 aaggccctcggttgcact
 any number of any character
 2 caacaaatataatattccgtcact
 Sequence context

Selected data banks and files:

Data bank : pending_MA , all entries

-- Output Parameters --

Format Options:	Nucleic acid code matching	Exact	File Options:
	Find non-matching hits only	No	Indirect file
	Report key used	Yes	Sequence or key file
	Note position of hit	Yes	List of hits
	Display full annotations	Yes	Hit display
	Sequence context	Yes	Name and annotations
		50	

-- Run Parameters --

Run mode	Batch
Time to start comparison	now
Notify at end of run	No

1 match found in sequence:

(from "/srch/pna/us086_COMBO.seq")

Sequence 29, Application US/08652816

GENERAL INFORMATION:

APPLICANT: Osbourn, JK

APPLICANT: Allen, DJ

APPLICANT: McCafferty, JG

TITLE OF INVENTION: Specific binding members, materials and methods.

NUMBER OF SEQUENCES: 54

CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun

STREET: 6300 Sears Tower, 233 South Wacker Drive

CITY: Chicago

STATE: Illinois

COUNTRY: United States of America

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/652,816

FILING DATE: 23-MAY-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9125579.4

FILING DATE: 02-DEC-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9125579.8

FILING DATE: 02-DEC-1991

PRIOR APPLICATION NUMBER: GB 9206318.9

APPLICATION NUMBER: GB 9306372.6

FILING DATE: 24-MAR-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9525004.9

FILING DATE: 23-SEP-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9525004.9

FILING DATE: 07-DEC-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9610824.6

FILING DATE: 23-MAY-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/GB92/02240

FILING DATE: 02-DEC-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/244,597

FILING DATE: 01-JUN-1994

ATTORNEY/AGENT INFORMATION:

NAME: David W. Clough

REGISTRATION NUMBER: 36,107

REFERENCE DOCKET NUMBER: 28111/33308

TELECOMMUNICATION INFORMATION:

TELEPHONE: 312-474-6300

INFORMATION FOR SEQ ID NO: 29:

SEQUENCE CHARACTERISTICS:

LENGTH: 324 base Pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

Found using 19_21_23' (spector091n.key)

...

20 CTCCTTCACCCGTGCTGCATCTATGGAGACAGGTACCCATCACCTGCGCCGGCTAGTG

70 |-----

80 AGGGTATTATCAGCTGGTGGCCTGGTATCAGCAGAACCCGAGGAAAGCCCTAACTCC

140 TGATCTATAAGGCCTAGTGTAGCCAGTGGGCCATCAAGGTTCAGCGGAGTGGAT

200 CTGGACAGATTCCTACTCTCACCATCAGCACGCCAGCCGAGCTGATGATTTGCACTTAT

260 ACTGCCAACATAATAGTAATTATCCGCTCACTTGGCGGGAGGGACCAAGCTGGAGATCA

291 |-----

320 AACGT

1 match found in sequence:

(from "/srch/pna/us086_COMBO.seq")

Sequence 54, Application US/08652816

GENERAL INFORMATION:

APPLICANT: Osbourn, JK

APPLICANT: Allen, DJ

APPLICANT: McCafferty, JG

TITLE OF INVENTION: Specific binding members, materials and methods.

NUMBER OF SEQUENCES: 54

CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun

STREET: 6300 Sears Tower, 233 South Wacker Drive

CITY: Chicago

STATE: Illinois

COUNTRY: United States of America
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 CURRENT APPLICATION DATA:
 FILING DATE: Patientin Release #1.0, version #1.25 (REPO)
 APPLICATION NUMBER: US/08/6552,816
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: GB 9125579.4
 FILING DATE: 23-MAY-1996
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: GB 9125579.8
 FILING DATE: 02-DEC-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: GB 9206318.9
 FILING DATE: 24-MAR-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: GB 9206372.6
 FILING DATE: 23-SEP-1992
 PRIOR APPLICATION DATA:
 - APPLICATION NUMBER: GB 9525004.9
 FILING DATE: 07-DEC-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: GB 9610824.6
 FILING DATE: 23-MAY-1996
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/GB92/02240
 FILING DATE: 02-DEC-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/244,597
 FILING DATE: 01-JUN-1994
 ATTORNEY/AGENT INFORMATION:
 NAME: David W. Clough
 REGISTRATION NUMBER: 36,107
 REFERENCE/DOCKET NUMBER: 28111/33308
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 312-474-6300
 INFORMATION FOR SEQ ID NO: 54:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 324 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 Found using '19_21_23' (spector091n.key)

...

40
 20
 80
 140
 200
 260
 320
 1 match found in sequence:

CTGCCAACATAAGGCTCTAGTTAGCCAGTGGGGCCCATCAAGGTCACTTCA
 291
 ACTGCCAACATAAGGCTCTAGTTAGCCAGTGGGGCCCATCAAGGTCACTTCA
 291
 CTGGGACAGATTTCACCTCACCATCAGCACCTGGGGGAGGACAGCTGAGATCA
 70
 CTCCCTCCACCCCTGTCATCTATTGGAGACAGAGACTCACCTCACCTGGGG
 70
 AGGTATTTATCACTGGTTGGCTGGTATCAGCAGAGGGAAAGCCCTAACCTCC
 70
 TGATCTATAAGGCTCTAGTTAGCCAGTGGGGCCCATCAAGGTCACTTCA
 611
 ACTGCCAACATAAGGCTCTAGTTAGCCAGTGGGGGAGGACAGCTGAGATCA
 702
 731 AA
 1 match found in sequence:
 US-09-092-520-29 : Sequence 29, Application US/09092520
 (from "/srch/pna/us09092520.seq")
 Sequence 29, Application US/09092520
 GENERAL INFORMATION:
 APPLICANT: Osbourn, Jane K

APPLICANT: Allen, Deborah J
 APPLICANT: McCafferty, John
 TITLE OF INVENTION: Specific binding members for human
 NUMBER OF SEQUENCES: 63
 CORRESPONDENCE ADDRESS:
 ADDRESSE: Marshall, O'Toole, Gerstein, Murray & Borun
 STREET: 6300 Sears Tower, 233 South Wacker Drive
 CITY: Chicago
 STATE: Illinois
 COUNTRY: USA
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/GB96/03043
 FILING DATE: 09-DEC-1996
 CLASSIFICATION: 432
 CLASSIFICATION: 1/02, G01N 33/58, 33/68
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: GB 9610824.6
 FILING DATE: 23-MAY-1996
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: GB 9621295.6
 FILING DATE: 11-OCT-1996
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: GB 9610824.6
 FILING DATE: 23-MAY-1996
 PRIOR APPLICATION DATA:
 NAME: David W Clough
 REFERENCE NUMBER: 36,107
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (312) 474-6300
 TELEFAX: (312) 474-0448
 INFORMATION FOR SEQ ID NO: 29:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 324 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 Found using '19_21_23' (spector091n.key)
 ...
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 20 CTCCTTCACCCGTCTGCATCTATGGAGACAGAGTCACCATCACCCGGGGCAGT
 70
 ...
 80 AGGGTATTATACCTGGTGGCTGTTAGCCAGTGGGGCCCATCAAGGTTCAAGGCACTCC
 ...
 140 TGATCTATAAGGCCTCTAGTTAGCCAGTGGGGCCCATCAAGGTTCAAGGCACTCC
 ...
 200 CTGGGAAAGATTCACCTCACCATCAGCAGCCTCAGCTGATGATTTGCACTTAT
 ...
 ACTGCCAACATATAGTTATCCGGTCACTTGGCGAGGGACCAAGCTGGAGATCA
 260
 291

320 AACGT

1 match found in sequence:

US-09-445-576 ; Sequence 20, Application US/09445576

"From "/scrn/pfa/US094_COMBO_seq")
Sequence 20, Application US/09445576

GENERAL INFORMATION:

APPLICANT: Thøgersen, Hans Christian

APPLICANT: Etzerodt, Michael

APPLICANT: Holter, Thor Las
 Graversen, Niels Jonas Hejlskov

APPLICANT: Kaststrup, Jette Sandholm

APPLICANT: Nielsen, Bettina Bryde

APPLICANT: Larsen, Ingrid Kioller

TITLE OF INVENTION: Timerising module

FILE REFERENCE: THØGREN-1

CURRENT APPLICATION NUMBER: US/09/445, 576

FILING DATE: 2000-07-17

PRIOR APPLICATION NUMBER: PCT/DK98/00245

PRIOR FILING DATE: 1998-06-11

PRIOR APPLICATION NUMBER: DK 0685/97

PRIOR FILING DATE: 1997-06-11

NUMBER OF SEQ ID NOS: 60

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO: 20

LENGTH: 736

TYPE: DNA

ORGANISM: Artificial sequence

FEATURE: OTHER INFORMATION: Description of Artificial Sequence:CEA6 antibody

Found using '19_21_23' (spector091n.key)

434 ctccctccacccgtctgcatctttagggagacagatcacccatcacccgtggggccagtg
 484
 ...
 494 agggatattatcactggtaggcctggatcagaaaggccaggaaagccctataactcc
 ...
 554 tgatctataaggcccttagtttagccagtggggcccatcaaggatcaggcggatggat
 ...
 614 ctggacacatcttccatccatccatcggatcgatgtatgtatgtatgtatgtatgtat
 ...
 674 actggccaaacatataatccatccatccatccatccatccatccatccatccatccat
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 ...
 734 aacgtgcggccgcagaacaaa
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 ... Search Statistics ...
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 Times: 12:33:55.14 CPU Total Elapsed 02:40:22.00
 Number of sequences searched: 15472368
 Number of sequence hits: 5
 Number of separate matches: 0
 Number of sequence hits saved:

162 VNGQGTMVTVSSGGGGGGGGSDIOMTQSPLTLASIGDRVTICRASEGLYHNL
212

222 AWYQQRKGAKAPKLLIKASSLASGAPSRSRSGSGIDFTLTISSQPDPAFYQQYSN
282 YPLTFGGTKELEIKRAAAEKLISEEDLNGAGTEPTIQPKKIVNAKKDVNTK
285

...
1 match found in sequence:
aaw94268 ; H6FXtripsBscfv(CEA6) fusion protein sequence.
(from "20_22_24ags.pep")
TOIG of: aaw94268 check: 8042 from: 1 to: 365

ID AAW94268 standard; protein; 331 AA.
XX
AC AAW94268;
XX
DT 26-APR-1999 (first entry)
XX
DE H6FXtripsBscfv(CEA6) fusion protein sequence.
XX
KW Trimeric polypeptide; tetraneectin trimerising structural element; TTSE;
KW fusion protein; ligand binding structure; toxin; enzyme; cytokine;
KW artificial antibody; pharmacokinetic; pharmacodynamic; gene therapy;
KW transfection; imaging; tumour; human; tetraneectin; CEA6.
XX
OS Synthetic.
XX
OS Homo sapiens.
XX
PN W09856906-A1.
XX
PD 17-DEC-1998.
XX
PP 11-JUN-1998; 98WO-DK00245.
XX
PR 11-JUN-1997; 97DK-0000685.
XX
PA (ETZER/) ETZERODT M.
PA (GRAV/) GRAVERSEN N J H.
PA (HOLT/) HOLSET T L.
PA (KAST/) KASTRUP J S.
XX
PI Etzerodt M, Graversen NJH, Holset TL, Kastrup JS;
PI Larsen IK, Nielsen BB, Thøgersen HC;
XX
DR WPI; 1999-080897/07.

PT New monomer polypeptide constructs for diagnosis and therapy -
PT comprise a tetraneectin trimerising structural element covalently
PT linked to at least one heterologous moiety for providing functional
PT activity

Example 4; Fig 18; 110pp; English.

XX
CC The invention relates to the design of trimeric polypeptides using
CC polypeptide structural elements derived from the tetraneectin protein
CC family. The trimeric polypeptides constructed as a monomer polypeptide
CC construct comprise at least one tetraneectin trimerising structural
CC element (TTSE) which is covalently linked to at least one heterologous
CC moiety, the TTSE being capable of forming a stable complex with 2 other
CC TTSEs, with the proviso that the heterologous moiety is different from
CC any of the fusion proteins C1M6FXTN123, H6FXTN123, H6FXTN23
(AW94261 to AW94264). The TTSE can be used for the construction of
CC conjugates with heterologous moieties such as a ligand binding
structure, a toxin, a detectable label, an in situ activatable substance,
CC an enzyme, a radioactive moiety, a cytokine, a non-proteinaceous polymer,
CC a photo cross-linking agent, or a group facilitating conjugation of the

CC monomer polypeptide construct to a target. They can be used as vehicles
CC for assembling antibody fragments into oligomeric or multivalent
entities for generating chimeric or artificial antibodies having
CC preselected pharmacokinetic and/or pharmacodynamic properties. The
CC constructs can be used for targeted gene therapy involving selective
CC delivery of the material for transfection or infection of the specific
CC population of cells. They can also be used for delivering a substance to
CC a cell or tissue or for delivering an imaging or toxin-conjugated
CC antibody to a tumour. They can also be used for prevention or treating a
CC disease or for diagnosis. The TTSE provides a stable structure which can
act as a vehicle for a wide variety of conjugates. The present sequence
CC represents a H6FXtripsBscfv(CEA6) fusion protein sequence encoded by the
CC plasmid PH6FXtripsBscfv(CEA6)
XX
Sequence 331 AA;
SQ AAW94268 Length: 365 September 10, 2001 07:32 Type: P Check: 8042 . .
Found using '20_22_24' (spectroseq91p key)

215 VNGQGTMVTVSSGGGGGGGGGGSDIOMTQSPLTLASIGDRVTICRASEGLYHNL
265

275 AWYQQRKGAKAPKLLIKASSLASGAPSRSRSGSGIDFTLTISSQPDPAFYQQYSN
335 YPLTFGGTKELEIKRAAAEQLISSEDLNGA
338

3 matches found in sequence:
aaw94269 ; H6FXscfv(CEA6)tripsBscfv(CEA6) fusion protein sequence.
(from "20_22_24ags.pep")
TOIG of: aaw94269 check: 8633 from: 1 to: 626

ID AAW94269 standard; protein; 592 AA.
XX
AC AAW94269;
XX
DT 26-APR-1999 (first entry)
XX
DE H6FXscfv(CEA6)tripsBscfv(CEA6) fusion protein sequence.
XX
KW Trimeric polypeptide; tetraneectin trimerising structural element; TTSE;
KW fusion protein; ligand binding structure; toxin; enzyme; cytokine;
KW artificial antibody; pharmacokinetic; pharmacodynamic; gene therapy;
KW transfection; imaging; tumour; human; tetraneectin; CEA6.
XX
OS Synthetic.
XX
OS Homo sapiens.
XX
PN W09856906-A1.
XX
PD 17-DEC-1998.
XX
PP 11-JUN-1998; 98WO-DK00245.
XX
PR 11-JUN-1997; 97DK-0000685.
XX
PA (ETZER/) ETZERODT M.
PA (GRAV/) GRAVERSEN N J H.
PA (HOLT/) HOLSET T L.
PA (KAST/) KASTRUP J S.
XX
PI Etzerodt M, Graversen NJH, Holset TL, Kastrup JS;
PI Larsen IK, Nielsen BB, Thøgersen HC;
XX
DR WPI; 1999-080897/07.

PT New monomer polypeptide constructs for diagnosis and therapy -
 PT comprise a tetraneitin trimersing structural element covalently
 PT linked to at least one heterologous moiety for providing functional
 PT activity

PS Example 4; Fig 20; 110pp; English.

XX
 CC The invention relates to the design of trimeric polypeptides using
 CC polypeptide structural elements derived from the tetraneitin protein
 CC family. The trimeric polypeptides constructed as a monomer polypeptide
 CC construct comprise at least one tetraneitin trimersing structural
 CC element (TTSE) which is covalently linked to at least one heterologous
 CC moiety, the TTSE being capable of forming a stable complex with 2 other
 CC TTSEs with the proviso that the heterologous moiety is different from
 CC any of the fusion proteins C1H6XTN123, H6FTXTN123, H6FTXTN12, H6FTXTN23
 CC (AAW94261 to AAW94264). The TTSE can be used for the construction of
 CC conjugates with heterologous moieties such as a ligand binding
 CC structure, a toxin, a detectable label, an in situ activatable substance,
 CC an enzyme, a radioactive moiety, a cytokine, a non-proteinaceous polymer,
 CC a photo cross-linking agent, or a group facilitating conjugation of the
 CC monomer polypeptide construct to a target. They can be used as vehicles
 CC for assembling antibody fragments into oligomeric or multivalent
 CC entities for generating chimeric artificial antibodies having
 CC preselected pharmacokinetic and/or pharmacodynamic properties. The
 CC constructs can be used for targeted gene therapy involving selective
 CC delivery of the material for transfection or infection of the specific
 CC population of cells. They can also be used for delivering a substance to
 CC a cell or tissue or for delivering an imaging or toxin-conjugated
 CC antibody to a tumour. They can also be used for prevention or treating a
 CC disease or for diagnosis. The TTSE provides a stable structure which can
 CC act as a vehicle for a wide variety of conjugates. The present sequence
 CC represents a H6FxsFcV(CEA6)trIpbScFV(CEA6) fusion protein sequence
 CC encoded by the plasmid PH6FxsFcV(CEA6)trIpbScFV(CEA6).
 XX Sequence 592 AA;

AAW94269 Length: 626 September 10, 2001 07:32 Type: P Check: 8633 ..
 Found using '20_22_24' (spector091p.key)

...

462 GRSHNYELYYMDNGQGTMVSSGGGGGGGGSDIOMTOSPTLSASIGDRV
 522 TITCRASEGIYHMLWYQOKPGKAPKILLYKRAASLASCAPSRSFSGSGSGTDFTLTISLQ
 526 PDDFATYTCQQSYNPFLFGGGTKEIKRAAAEQKLISEEDLNGA
 599

 1 match found in sequence:
 aay06714 ; Antibody 5E5 single chain Fv (scFv) fragment.
 (from "20_22_24aas.pep")
 TOIG of: aay06714 check: 1114 from: 1 to: 279

ID AAY06714 standard; Protein; 245 AA.
 XX
 AC AAY06714;
 XX
 DT 17-JUN-1999 (first entry)
 XX
 DE Antibody 5E5 single chain Fv (scFv) fragment.
 XX
 KW Agonist antibody; thrombopoietin receptor; TPO-R; thrombopoietin; DIC;
 KW megakaryocyte; platelet; immunological; hematopoietic; thrombocytopenia;
 KW bone marrow hypoplasia; disseminated intravascular coagulation; anemia;
 KW myelodysplasia; myelotoxic chemotherapy; leukaemia; tumour; MUSK; CDR;
 KW neuromuscular; muscular dystrophy; complementarity determining region.
 XX
 OS Homo sapiens.
 XX
 PN W09910494-A2.
 XX
 PD 04-MAR-1999.
 XX
 PF 21-AUG-1998; 98WO-US17364.
 XX
 PR 25-AUG-1997; 97US-0918148.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PT Adams CW, Carter PJ, Fendly BM, Gurney AL;
 XX
 DR WI; 1999-20466617.
 XX
 PT New thrombopoietin receptor agonist antibodies - useful for
 PT treating immunological or hematological disorders
 XX
 PS Disclosure; Fig 1; 86pp; English.

XX
 CC The invention relates to an agonist antibody (Ab) which binds to a
 CC thrombopoietin receptor (TPO-R). The antibodies which bind the TPO-R can
 CC be used in the same way and for the same indications as thrombopoietin
 CC (TPO). They can stimulate proliferation, differentiation or growth of
 CC megakaryocytes. They may also be able to stimulate megakaryocytes to
 CC increase platelet production. They can be used for treating
 CC immunological or hematological disorders, especially thrombocytopenia.
 CC Thrombocytopenia -associated bone marrow hypoplasia (e.g. aplastic anemia
 CC following chemotherapy or bone marrow transplant) may be effectively
 CC treated with the antibody compounds as well as disorders such as
 CC disseminated intravascular coagulation (DIC), immune thrombocytopenia
 CC (HIV-induced and non HIV-induced), chronic idiopathic thrombocytopenia,
 CC congenital thrombocytopenia, thrombotic thrombocytopenia and
 CC myelodysplasia. They can also be used in e.g. myelotoxic chemotherapy for
 CC treatment of solid tumours or leukaemia, myeloablative chemotherapy for
 CC autologous or allogeneic bone marrow transplant, myelodysplasia,

402

RQAFQGQLEWMGSIIPSFGCTANYAQKFOQRLLTITADESTSTAYMELSSLRSEDTAVYCA

CC idopathic aplastic anemia, congenital thrombocytopenia, and immune thrombocytopenia. The antibodies which bind to the MUSK receptor can be used for improving neuromuscular function in a patient, e.g. in muscular dystrophy. The products can also be used for detection and diagnosis. The antibodies have a longer half-life than the natural ligand for the TPO-R. Sequences AAY06713-Y06718 represent single chain Fv (scFv) fragments of various antibodies.

CC SQ Sequence 245 AA;

CC 203 AAY06714 Length: 279 September 10, 2001 07:32 Type: P Check: 1114 ..

CC Found using ,20_22_24, (spector09lp.key)

CC ..

CC 143 IWWQOKPGKAPKLIIYKASSLASGAPSREFSGSGGADFTLTISIQLQPDFATYYCQQYSN

CC |-----

CC 193

CC YPLTFGGTKEVKRAA

CC 263 YPLTFGGTKEVKRAA

CC ..

CC -----

CC 1 match found in sequence:
CC aay06715 ; Antibody 1010 single chain Fv (scFv) fragment.
(from "20_22_24ags.pep")

CC TOIG of: aay06715 check: 884 from: 1 to: 279

CC ID AAY06715 standard; Protein; 245 AA..

CC AC AAY06715;

CC XX

CC DT 17-JUN-1999 (first entry)

CC DE Antibody 10D10 single chain Fv (scFv) fragment.

CC KW Agonist antibody; thrombopoietin receptor; TPO-R; thrombopoietin; DIC;
megakaryocyte; platelet; immunological; hematopoietic; thrombocytopenia;
bone marrow hypoplasia; disseminated intravascular coagulation; anemia;
myelodysplasia; myelotoxic chemotherapy; leukaemia; tumour;; MUSK; CDR;
neuromuscular; muscular dystrophy; complementarity determining region.

CC OS Homo sapiens.

CC XX WO9910494-A2.

CC XX PD 04-MAR-1999.

CC XX PF 21-AUG-1998; 98WO-US17364.

CC XX PR 25-AUG-1997; 97US-0918148.

CC XX PA (GETH) GENENTECH INC.

CC XX PI Adams CW, Carter PJ, Fendly BM, Gurney AL;

CC XX DR WPI; 1999-20466617.

CC XX PT New thrombopoietin receptor agonist antibodies - useful for
treating immunological or hematological disorders

CC XX PS Disclosure; Fig 1; 86pp; English.

CC XX DR The invention relates to an agonist antibody (Ab) which binds to a thrombopoietin receptor (TPO-R). The antibodies which bind the TPO-R can be used in the same way and for the same indications as thrombopoietin (TPO). They can stimulate proliferation, differentiation or growth of megakaryocytes. They may also be able to stimulate megakaryocytes to

CC increase platelet production. They can be used for treating immunological or hematopoietic disorders, especially thrombocytopenia. Thrombocytopenia -associated bone marrow hypoplasia (e.g. aplastic anemia following chemotherapy or bone marrow transplant) may be effectively treated with the antibody compounds as well as disorders such as disseminated intravascular coagulation (DIC), immune thrombocytopenia (HIV-induced and non HIV-induced), chronic idiopathic thrombocytopenia, congenital thrombocytopenia, thrombotic thrombocytopenia and myelodysplasia. They can also be used in e.g. myelotoxic chemotherapy for treatment of solid tumours or leukemia, myeloablative chemotherapy for autologous or allogeneic bone marrow transplant, myelodysplasia, and immune thrombocytopenia. The antibodies which bind to the MUSK receptor can be used for improving neuromuscular function in a patient, e.g. in muscular dystrophy. The products can also be used for detection and diagnosis. The antibodies have a longer half-life than the natural ligand for the TPO-R. Sequences AAY06713-Y06718 represent single chain Fv (scFv) fragments of various antibodies.

CC SQ Sequence 245 AA;

CC 203 AAY06715 Length: 279 September 10, 2001 07:32 Type: P Check: 884 ..

CC Found using ,20_22_24, (spector09lp.key)

CC ..

CC 143 VWGRGTMVTVSSGGGGSGGGGGSDIQMTQSPSTLASICDRVTTCRASEGYHML

CC |-----

CC 193

CC YPLTFGGTKELIRAA

CC 263 YPLTFGGTKELIRAA

CC ..

CC -----

CC 1 match found in sequence:
CC aay06716 ; Antibody 12B5 single chain Fv (scFv) fragment.
(from "20_22_24ags.pep")

CC TOIG of: aay06716 check: 6812 from: 1 to: 278

CC ID AAY06716 standard; Protein; 244 AA..

CC AC AAY06716;

CC XX

CC DT 17-JUN-1999 (first entry)

CC DE Antibody 12B5 single chain Fv (scFv) fragment.

CC KW Agonist antibody; thrombopoietin receptor; TPO-R; thrombopoietin; DIC;
megakaryocyte; platelet; immunological; hematopoietic; thrombocytopenia;
bone marrow hypoplasia; disseminated intravascular coagulation; anemia;
myelodysplasia; myelotoxic chemotherapy; leukaemia; tumour;; MUSK; CDR;
neuromuscular; muscular dystrophy; complementarity determining region.

CC OS Homo sapiens.

CC XX WO9910494-A2.

CC XX PD 04-MAR-1999.

CC XX PF 21-AUG-1998; 98WO-US17364.

CC XX PR 25-AUG-1997; 97US-0918148.

CC XX PA (GETH) GENENTECH INC.

CC XX PI Adams CW, Carter PJ, Fendly BM, Gurney AL;

CC XX DR WPI; 1999-20466617.

XX	PT	New thrombopoietin receptor agonist antibodies - useful for treating immunological or hematological disorders	/note= "unspecified"
XX	PN	WO9910494-A2.	
PS	PD	04-MAR-1999.	
CC	XX		
CC	PF	21-AUG-1998; 98WO-US17364.	
CC	XX		
CC	PR	25-AUG-1997; 97US-0918148.	
CC	XX		
CC	PA	(GETH) GENENTECH INC.	
CC	XX		
CC	PT	Adams CW, Carter PJ, Fendly BM, Gurney AL;	
CC	XX		
CC	DR	WPI; 1999-204666/17.	
CC	XX		
CC	PT	New thrombopoietin receptor agonist antibodies - useful for treating immunological or hematological disorders	
CC	XX		
CC	PS	Disclosure; Fig 1; 86pp; English.	
CC	XX		
CC	CC	The invention relates to an agonist antibody (Ab) which binds to a thrombopoietin receptor (TPO-R). The antibodies which bind the TPO-R can be used in the same way and for the same indications as thrombopoietin (TPO). They can stimulate proliferation, differentiation or growth of megakaryocytes. They may also be able to stimulate megakaryocytes to increase platelet production. They can be used for treating immunological or hematopoietic disorders, especially thrombocytopenia. Thrombocytopenia -associated bone marrow hypoplasia (e.g. aplastic anemia following chemotherapy or bone marrow transplant) may be effectively treated with the antibody compounds as well as disorders such as disseminated intravascular coagulation (DIC), immune thrombocytopenia (HIV-induced and non HIV-induced), chronic idiopathic thrombocytopenia, congenital thrombocytopenia, thrombotic thrombocytopenia and immune thrombocytopenia. They can also be used in e.g. myelotoxic chemotherapy for treatment of solid tumours or leukaemia, myeloblastic aplastic anemia, congenital thrombocytopenia, thrombotic thrombocytopenia and immune thrombocytopenia. The antibodies which bind to the TPO-R can be used for improving neuromuscular function in a patient, e.g. in muscular dystrophy. The products can also be used for detection and diagnosis. The antibodies have a longer half-life than the natural ligand for the TPO-R. Sequences AAY06713-Y06718 represent single chain Fv (scFv) fragments of various antibodies.	
CC	CC		
CC	CC	Sequence 244 AA;	
CC	CC		
CC	CC	AAY06716 Length: 278 September 10, 2001 07:32 Type: P Check: 6812 ..	
CC	CC	Found using '20_22_24' (spector091p.key)	
CC	CC		
CC	CC	1 match found in sequence: aay06717; Antibody 12B5 single chain Fv (scFv) fragment. (from "20_22_24ags.pep")	
CC	CC	TOIG of: aay06717 check: 1357 from: 1 to: 279	
CC	CC		
CC	CC	17-JUN-1999 (first entry)	
CC	CC		
DE	CC	Antibody 12B5 single chain Fv (scFv) fragment.	
XX	CC		
KW	CC	Agonist antibody; thrombopoietin receptor; TPO-R; thrombopoietin; DIC; megakaryocyte; platelet; immunological; hematopoietic; thrombocytopenia; bone marrow hypoplasia; disseminated intravascular coagulation; anemia; myelodysplasia; myelotoxic chemotherapy; leukaemia; tumour; TPO-R; muscular dystrophy; complementarity determining region.	
KW	CC		
OS	XX	Homo sapiens.	
KEY	XX	Location/Qualifiers	
FH	XX	Misc-difference 208	

XX 05-DEC-2000. (first entry)

DT

XX

DE

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KW

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KW

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KW

XX

OS

XX

Homo sapiens.

FH

Key

Region

FH

Region

FT

Region

XX

Found using '20_22_24' (spector091p.key)

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8 CQEZHGSQQLKMFPSITWVYVSOOTHERSDIQMTQSPSILASIGDRVTTCRASEGTVHWL
58 AWYQKPKCKAPKLLYKASSLASGASGAPSRSFSGSGSTDFTLITISSLQPDDFATVYCCQYSN

68

128

YPLTFGGGTKLEIK

131

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> 0 <
O 10 IntelliGenetics
> O <
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Quest - Quick User-directed Expression Search Tool
Release 5.4

-- Outline of search "20_22_24iss" --

Selected search type is key against sequence data banks or files.

Selected scope is Sequence, "spector091p.key":

Selected sequence key from "spector091p.key":
20_22_24 (AA) ID 20_22_24 AA preliminary pattern

1 followed by
2 rasegqyhwlw
2 any number of any character

2 kasslas
2 any number of any character
2 qqysnyplt

Selected data banks and files:

Data bank : Issued_AA , all entries

-- Output Parameters --

Format Options: File Options:
Nucleic acid code matching Exact Indirect file
Find non-matching hits only No Sequence or key file
Report key used Yes List of hits
Note position of hit Yes Hit display
Display full annotations Yes Name and annotations

50
Yes
Yes
Yes

Sequence context

-- Run Parameters --

Run mode Batch
Time to start comparison now
Notify at end of run No

1 match found in sequence:
US-08-652-816A-2 ; Sequence 2, Application US/08652816A
(from "/srch/iaa/5B_COMB.pep")
Sequence 2, Application US/08652816A
Patent No. 5872215

GENERAL INFORMATION:

APPLICANT: Osbourn, JK
APPLICANT: Allen, DJ
APPLICANT: McCafferty, JG

TITLE OF INVENTION: Specific binding members, materials and
METHODS.

TITLE OF INVENTION: methods.

NUMBER OF SEQUENCES: 53

CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun

STREET: 6300 Sears Tower, 233 South Wacker Drive

CITY: Chicago

STATE: Illinois

COUNTRY: United States of America

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, version #1.25 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/652,816A

FILING DATE: 23-MAY-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9125579.4

APPLICATION NUMBER: 02-DEC-1991

FILING DATE: 23-MAY-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9125579.8

FILING DATE: 02-DEC-1991

FILING DATE: 03-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9206318.9
FILING DATE: 24-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9206372.6
FILING DATE: 23-SEP-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9525004.9
FILING DATE: 07-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/GB92/02240
FILING DATE: 02-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/244,597
FILING DATE: 01-JUN-1994
ATTORNEY/AGENT INFORMATION:
NAME: David W. Clough
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 2011/33308
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-474-6300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 amino acids
TYPE: amino acid
TOPOLOGY: linear
Found using '20_22_24', (spector091p.key)

1

DIQMTQSPSSLSASIGPRVTICRASBEGIYHWLAWYQQKPGKAPKLLIYKASSLASGAPS

61 RFSGSGSGTDFITLSSLQPDFFATYQGQYSNYPITFGGCTKLEIKR
←24→37

1 match found in sequence:

US-08-652-816A-53 ; Sequence 53, Application US/08652816A
(from "/srch/iaa/5B_COMB.pep")

Sequence 53, Application US/08652816A

Patent No. 5872215

GENERAL INFORMATION:

APPLICANT: Osbourn, JK

APPLICANT: Allen, DJ

APPLICANT: McCafferty, JG

TITLE OF INVENTION: Specific binding members, materials and
METHODS.

TITLE OF INVENTION: methods.

NUMBER OF SEQUENCES: 53

CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun

STREET: 6300 Sears Tower, 233 South Wacker Drive

CITY: Chicago

STATE: Illinois

COUNTRY: United States of America

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, version #1.25 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/652,816A

FILING DATE: 23-MAY-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9125579.4

APPLICATION NUMBER: 02-DEC-1991

FILING DATE: 23-MAY-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9125579.8

FILING DATE: 02-DEC-1991

5872215

PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9206318.9
FILING DATE: 24-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9206372.6
FILING DATE: 23-SEP-1992
APPLICATION NUMBER: GB 9525004.9
FILING DATE: 07-DEC-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9610824.6
FILING DATE: 23-MAY-1996
APPLICATION NUMBER: PCT/GB92/02240
FILING DATE: 02-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/244,597
FILING DATE: 01-JUN-1994
ATTORNEY/AGENT INFORMATION:
NAME: David W. Clough
REGISTRATION NUMBER: 36,107
REFERENCE/DOCKET NUMBER: 28111/33308
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-474-6300
INFORMATION FOR SEQ ID NO: 53:
SEQUENCE CHARACTERISTICS:
LENGTH: 108 amino acids
TYPE: amino acid
TOPOLOGY: linear
Found using '20_22_24' (spector091p.key)

1 DIQMTQSPSTLSASIGDRVITCRASEGIYHMLAWYQOKPGKAPKLILYKASSLASGAPS
24 |-----|
61 RFSGSGSGIDFTLTLISLQPDFATVYCOQYSNPFLFGGGTKEIRR
97 |-----|

-- Search Statistics --
Times: CPU Total Elapsed
00:02:01.17 00:09:14.00
Number of sequences searched: 197390
Number of sequence hits: 2
Number of separate matches: 2
Number of sequence hits saved: 0

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> O < Intelligenetics
> O < Quest - Quick User-directed Expression Search Tool
Release 5.4

-- Outline of search "20_22_24pen" --
Selected search type is key against sequence data banks or files.
Selected scope is sequence.
Selected sequence key from "spector091p.key":
20_22_24 (AA) ID 20_22_24 AA preliminary pattern
followed by
2 rasdeiyhwa
2 any number of any character
2 kasslas
2 any number of any character
2 qgysnypl

Selected data banks and files:
Data bank : Pending_AA , all entries

-- Output Parameters --
Format Options:
  Nucleic acid code matching   Exact
  Find non-matching hits only No
  Report key used           Yes
  Note position of hit      Yes
  Display full annotations  Yes
  Sequence context          50

Run mode
  Time to start comparison  Batch
  Notify at end of run      now
No

-----1 match found in sequence:
PCT-US01-19110-918 ; Sequence 918, Application PC/TUS0119110
( from "/srch/pab/PCUS_COH.pep" )
Sequence 918, Application PC/TUS0119110
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523PCT
CURRENT APPLICATION NUMBER: PCT/TUS01/19110
CURRENT FILING DATE: 2001-06-15
PRIORITY APPLICATION NUMBER: 60/212,210
PRIORITY FILING DATE: 2000-06-15
PRIORITY APPLICATION NUMBER: 60/276,248
PRIORITY FILING DATE: 2001-03-16
PRIORITY FILING DATE: 2001-03-21
PRIORITY APPLICATION NUMBER: 60/277,379
PRIORITY FILING DATE: 2001-05-25
PRIORITY APPLICATION NUMBER: 60/293,499
PRIORITY FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3229
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 921
LENGTH: 251
TYPE: PRT
ORGANISM: Homo sapiens
Found using "20_22_24", (spector091p.key)
.

-----1 match found in sequence:
VNGQGTIVLVYSSGGGGGGGGGGGGGGDIQMSPSTLSSASIGDRVTTCRASEGIYHML
115
165
( from "/srch/pab/PCUS_COH.pep" )
Sequence 922, Application PC/TUS0119110
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523PCT
CURRENT APPLICATION NUMBER: PCT/TUS01/19110
CURRENT FILING DATE: 2001-06-15
PRIORITY APPLICATION NUMBER: 60/212,210
PRIORITY FILING DATE: 2000-06-15
PRIORITY APPLICATION NUMBER: 60/276,248
PRIORITY FILING DATE: 2001-03-16
PRIORITY FILING DATE: 2001-03-21
PRIORITY APPLICATION NUMBER: 60/277,379
PRIORITY FILING DATE: 2001-05-25
PRIORITY APPLICATION NUMBER: 60/293,499
PRIORITY FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3229
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 922
LENGTH: 251
TYPE: PRT
ORGANISM: Homo sapiens
Found using "20_22_24", (spector091p.key)
.

-----1 match found in sequence:
AWYQOKPGKAPKLLIYKASSLASGAPSFRSGSGCTDFTLTISIQLPDDFATYVCOQYSN
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167
( from "/srch/pab/PCUS_COH.pep" )
Sequence 926, Application PC/TUS0119110
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523PCT
CURRENT APPLICATION NUMBER: PCT/TUS01/19110
CURRENT FILING DATE: 2001-06-15
PRIORITY APPLICATION NUMBER: 60/212,210
PRIORITY FILING DATE: 2000-06-15
PRIORITY APPLICATION NUMBER: 60/276,248
PRIORITY FILING DATE: 2001-03-16
PRIORITY FILING DATE: 2001-03-21
PRIORITY APPLICATION NUMBER: 60/277,379
PRIORITY FILING DATE: 2001-05-25
PRIORITY APPLICATION NUMBER: 60/293,499
PRIORITY FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3229
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 926
LENGTH: 249
TYPE: PRT
ORGANISM: Homo sapiens
Found using "20_22_24", (spector091p.key)
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-----1 match found in sequence:
YPLTFEGGTKEIKR
235
238
( from "/srch/pab/PCUS_COH.pep" )
Sequence 927, Application PC/TUS0119110
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523PCT
CURRENT APPLICATION NUMBER: PCT/TUS01/19110
CURRENT FILING DATE: 2001-06-15
PRIORITY APPLICATION NUMBER: 60/212,210
PRIORITY FILING DATE: 2000-06-15
PRIORITY APPLICATION NUMBER: 60/276,248
PRIORITY FILING DATE: 2001-03-16
PRIORITY FILING DATE: 2001-03-21
PRIORITY APPLICATION NUMBER: 60/277,379
PRIORITY FILING DATE: 2001-05-25
PRIORITY APPLICATION NUMBER: 60/293,499
PRIORITY FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3229
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 927
LENGTH: 240
TYPE: PRT
ORGANISM: Homo sapiens
Found using "20_22_24", (spector091p.key)
.

-----1 match found in sequence:
VNGQGTIVLVYSSGGGGGGGGGGGGGGDIQMSPSTLSSASIGDRVTTCRASEGIYHML
115
165
( from "/srch/pab/PCUS_COH.pep" )
Sequence 928, Application PC/TUS0119110
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLyS
FILE REFERENCE: PF523PCT
CURRENT APPLICATION NUMBER: PCT/TUS01/19110
CURRENT FILING DATE: 2001-06-15
PRIORITY APPLICATION NUMBER: 60/212,210
PRIORITY FILING DATE: 2000-06-15
PRIORITY APPLICATION NUMBER: 60/276,248
PRIORITY FILING DATE: 2001-03-16
PRIORITY FILING DATE: 2001-03-21
PRIORITY APPLICATION NUMBER: 60/277,379
PRIORITY FILING DATE: 2001-05-25
PRIORITY APPLICATION NUMBER: 60/293,499
PRIORITY FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3229
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 928
LENGTH: 249
TYPE: PRT
ORGANISM: Homo sapiens
Found using "20_22_24", (spector091p.key)
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PRIOR APPLICATION NUMBER: 60/293,499

PRIOR FILING DATE: 2001-05-25

NUMBER OF SEQ ID NOS: 3239

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO: 926

LENGTH: 249

TYPE: PRT

ORGANISM: Homo sapiens

Found using '20_22_24' (spector091p.key)

1 match found in sequence:
PCT-US01-19110-932; Sequence 932, Application PC/TUS0119110
(from "/srch/paa/pctus/comb.pep")Sequence 932, Application PC/TUS0119110
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
FILE REFERENCE: PFS23PCT
CURRENT APPLICATION NUMBER: PCT/TUS01/19110
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 932
LENGTH: 250
TYPE: PRT
ORGANISM: Homo sapiens

Found using '20_22_24' (spector091p.key)

1 match found in sequence:
PCT-US01-19110-1008; Sequence 1008, Application PC/TUS0119110
(from "/srch/paa/pctus/comb.pep")Sequence 1008, Application PC/TUS0119110
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
FILE REFERENCE: PFS23PCT
CURRENT APPLICATION NUMBER: PCT/TUS01/19110
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 1008
LENGTH: 248
TYPE: PRT
ORGANISM: Homo sapiens

Found using '20_22_24' (spector091p.key)

1 match found in sequence:
PCT-US01-19110-969; Sequence 969, Application PC/TUS0119110
(from "/srch/paa/pctus/comb.pep")Sequence 969, Application PC/TUS0119110
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
FILE REFERENCE: PFS23PCT
CURRENT APPLICATION NUMBER: PCT/TUS01/19110
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 1008
LENGTH: 248
TYPE: PRT
ORGANISM: Homo sapiens

Found using '20_22_24' (spector091p.key)

1 match found in sequence:
PCT-US01-19110-969; Sequence 969, Application PC/TUS0119110
(from "/srch/paa/pctus/comb.pep")Sequence 969, Application PC/TUS0119110
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
FILE REFERENCE: PFS23PCT
CURRENT APPLICATION NUMBER: PCT/TUS01/19110
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 1008
LENGTH: 248
TYPE: PRT
ORGANISM: Homo sapiens

Found using '20_22_24' (spector091p.key)

1 match found in sequence:
PCT-US01-19110-166; Sequence 166, Application PC/TUS0119110
(from "/srch/paa/pctus/comb.pep")Sequence 166, Application PC/TUS0119110
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
FILE REFERENCE: PFS23PCT
CURRENT APPLICATION NUMBER: PCT/TUS01/19110
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 1008
LENGTH: 248
TYPE: PRT
ORGANISM: Homo sapiens

Found using '20_22_24' (spector091p.key)

1 match found in sequence:
PCT-US01-19110-164; Sequence 164, Application PC/TUS0119110
(from "/srch/paa/pctus/comb.pep")Sequence 164, Application PC/TUS0119110
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
FILE REFERENCE: PFS23PCT
CURRENT APPLICATION NUMBER: PCT/TUS01/19110
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 1008
LENGTH: 248
TYPE: PRT
ORGANISM: Homo sapiens

Found using '20_22_24' (spector091p.key)

CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 1421
 LENGTH: 248
 TYPE: PRT
 ORGANISM: Homo sapiens
 Found using '20_22_24' (spector091p.key)

1 match found in sequence:
 PC/TU01/19110-1603 ; Sequence 1603, Application PC/TU01/19110
 (from "/srch/paa/pcus.comb.pep")

GENERAL INFORMATION:
 APPLICANT: Human Genome Sciences, Inc.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
 CURRENT APPLICATION NUMBER: PCT/US01/19110
 FILE REFERENCE: P523PCT
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: PCT/US01/19110
 CURRENT FILING DATE: 2001-06-15
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/293,499
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 1603
 LENGTH: 255
 TYPE: PRT
 ORGANISM: Homo sapiens
 Found using '20_22_24' (spector091p.key)

1 match found in sequence:
 PC/TU01/19110-1771 ; Sequence 1771, Application PC/TU01/19110
 (from "/srch/paa/pcus.comb.pep")

GENERAL INFORMATION:
 APPLICANT: Human Genome Sciences, Inc.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
 CURRENT APPLICATION NUMBER: PCT/US01/19110
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 PRIOR APPLICATION NUMBER: 60/293,499
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 1771
 LENGTH: 248
 TYPE: PRT
 ORGANISM: Homo sapiens

1 match found in sequence:
 PC/TU01/19110-1700 ; Sequence 1700, Application PC/TU01/19110
 (from "/srch/paa/pcus.comb.pep")

GENERAL INFORMATION:
 APPLICANT: Human Genome Sciences, Inc.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
 CURRENT APPLICATION NUMBER: PCT/US01/19110
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 PRIOR APPLICATION NUMBER: 60/293,499
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 1700
 LENGTH: 248
 TYPE: PRT
 ORGANISM: Homo sapiens

1 match found in sequence:
 PC/TU01/19110-164 ; Sequence 164, Application PC/TU01/19110
 (from "/srch/paa/pcus.comb.pep")

GENERAL INFORMATION:
 APPLICANT: Human Genome Sciences, Inc.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
 CURRENT APPLICATION NUMBER: PCT/US01/19110
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 PRIOR APPLICATION NUMBER: 60/293,499
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 164
 LENGTH: 248
 TYPE: PRT
 ORGANISM: Homo sapiens

1 match found in sequence:
 PC/TU01/19110-171 ; Sequence 171, Application PC/TU01/19110
 (from "/srch/paa/pcus.comb.pep")

GENERAL INFORMATION:
 APPLICANT: Human Genome Sciences, Inc.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
 CURRENT APPLICATION NUMBER: PCT/US01/19110
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 PRIOR APPLICATION NUMBER: 60/293,499
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 171
 LENGTH: 248
 TYPE: PRT
 ORGANISM: Homo sapiens

1 match found in sequence:
 PCT-US01-19110-1889 ; Sequence 1889, Application PC/TUS0119110
 (from "/srch/paa/PCITS_COMB_PEP")
 Sequence 1889, Application PC/TUS0119110
 GENERAL INFORMATION:
 APPLICANT: Human Genome Sciences, Inc.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
 CURRENT APPLICATION NUMBER: PCT/US01/19110
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 1889
 LENGTH: 241
 TYPE: PRT
 ORGANISM: Homo sapiens
 Found using '20_22_24' (spector091p.key)

1 match found in sequence:
 PCT-US01-19110-1901 ; Sequence 1901, Application PC/TUS0119110
 (from "/srch/paa/PCITS_COMB_PEP")
 Sequence 1901, Application PC/TUS0119110
 GENERAL INFORMATION:
 APPLICANT: Human Genome Sciences, Inc.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
 FILE REFERENCE: PFS23PCT
 CURRENT APPLICATION NUMBER: PCT/US01/19110
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 1901
 LENGTH: 241
 TYPE: PRT
 ORGANISM: Homo sapiens
 Found using '20_22_24' (spector091p.key)

1 match found in sequence:
 PCT-US01-19110-1900 ; Sequence 1900, Application PC/TUS0119110
 (from "/srch/paa/PCITS_COMB_PEP")
 Sequence 1900, Application PC/TUS0119110
 GENERAL INFORMATION:
 APPLICANT: Human Genome Sciences, Inc.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
 CURRENT APPLICATION NUMBER: PCT/US01/19110
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 1900
 LENGTH: 241
 TYPE: PRT
 ORGANISM: Homo sapiens
 Found using '20_22_24' (spector091p.key)

1 match found in sequence:
 PCT-US01-19110-1901 ; Sequence 1901, Application PC/TUS0119110
 (from "/srch/paa/PCITS_COMB_PEP")
 Sequence 1901, Application PC/TUS0119110
 GENERAL INFORMATION:
 APPLICANT: Human Genome Sciences, Inc.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
 CURRENT APPLICATION NUMBER: PCT/US01/19110
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 1901
 LENGTH: 241
 TYPE: PRT
 ORGANISM: Homo sapiens
 Found using '20_22_24' (spector091p.key)

1 match found in sequence:
 PCT-US01-19110-1902 ; Sequence 1902, Application PC/TUS0119110
 (from "/srch/paa/PCITS_COMB_PEP")
 Sequence 1902, Application PC/TUS0119110
 GENERAL INFORMATION:
 APPLICANT: Human Genome Sciences, Inc.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
 FILE REFERENCE: PFS23PCT
 CURRENT APPLICATION NUMBER: PCT/US01/19110
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-15
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-15
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 1900
 LENGTH: 241
 TYPE: PRT
 ORGANISM: Homo sapiens
 Found using '20_22_24' (spector091p.key)

PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 1902
 LENGTH: 245
 TYPE: PRT
 ORGANISM: Homo sapiens
 Found using '20_22_24' (spector091p.key)

1 match found in sequence:
 PCT-US01-19110-1920 ; Sequence 1920, Application PC/TUS0119110
 (from "srch/paa/PCUS_COMB.pep")
 Sequence 1920, Application PC/TUS0119110

GENERAL INFORMATION:
 APPLICANT: Human Genome Sciences, Inc.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
 CURRENT APPLICATION NUMBER: PCT/US01/19110
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2000-06-17
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 LENGTH: 239
 TYPE: PRT
 ORGANISM: Homo sapiens
 Found using '20_22_24' (spector091p.key)

1 match found in sequence:
 PCT-US01-19110-1920 ; Sequence 1920, Application PC/TUS0119110
 (from "srch/paa/PCUS_COMB.pep")
 Sequence 1920, Application PC/TUS0119110

GENERAL INFORMATION:
 APPLICANT: Human Genome Sciences, Inc.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
 CURRENT APPLICATION NUMBER: PCT/US01/19110
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/275,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 1920
 LENGTH: 246
 TYPE: PRT
 ORGANISM: Homo sapiens
 Found using '20_22_24' (spector091p.key)

1 match found in sequence:
 PCT-US01-19110-1935 ; Sequence 1935, Application PC/TUS0119110
 (from "srch/paa/PCUS_COMB.pep")
 Sequence 1935, Application PC/TUS0119110

GENERAL INFORMATION:
 APPLICANT: Human Genome Sciences, Inc.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
 CURRENT APPLICATION NUMBER: PCT/US01/19110
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/275,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 1935
 LENGTH: 243
 TYPE: PRT
 ORGANISM: Homo sapiens
 Found using '20_22_24' (spector091p.key)

1 match found in sequence:
 PCT-US01-19110-1922 ; Sequence 1922, Application PC/TUS0119110
 (from "srch/paa/PCUS_COMB.pep")
 Sequence 1922, Application PC/TUS0119110

1 match found in sequence:
 PCT-US01-19110-1922 ; Sequence 1922, Application PC/TUS0119110
 (from "srch/paa/PCUS_COMB.pep")
 Sequence 1922, Application PC/TUS0119110

109 IWGKGGLVTVSSGGGGGGGGGGSDIOMTQSPSTLSASIGDRVTICRA:BGIVYHWL
 159

Found using '20_22_24' (spector091p.key)

1 DIOMTQSPSTLSASIGDRVITCRASEGIYHHLWYQKPGKAPKLITYKASSLASGAPS
24

61 RFSGSGSGTDFTLTISLQPDDEATYYCQQYSNYPLTFGGGTLEIK
97

1 match found in sequence:
US-08-918-148-75 ; Sequence 75, Application US/08918148A
(from "/srch/paa/us089148a.comb.pep")

Sequence 75, Application US/08918148A
GENERAL INFORMATION:
APPLICANT: Adams, Camellia
APPLICANT: W.
APPLICANT: Carter, Paul J.
APPLICANT: Fendly, Brian M.
APPLICANT: Gurney, Austin L.
TITLE OF INVENTION: Agonist Antibodies
FILE REFERENCE: P0979
CURRENT APPLICATION NUMBER: US/08/918,148A
CURRENT FILING DATE: 1997-08-25
NUMBER OF SEQ ID NOS: 79
SEQ ID NO 75
LENGTH: 245
TYPE: PRT
ORGANISM: artificial
Found using '20_22_24' (spector091p.key)

1 match found in sequence:
US-08-918-148-77 ; Sequence 77, Application US/08918148A
(from "/srch/paa/us089148a.comb.pep")
Sequence 77, Application US/08918148A
GENERAL INFORMATION:
APPLICANT: Adams, Camellia
APPLICANT: W.
APPLICANT: Carter, Paul J.
APPLICANT: Fendly, Brian M.
APPLICANT: Gurney, Austin L.
TITLE OF INVENTION: Agonist Antibodies
FILE REFERENCE: P0979
CURRENT APPLICATION NUMBER: US/08/918,148A
CURRENT FILING DATE: 1997-08-25
NUMBER OF SEQ ID NOS: 79
SEQ ID NO 77
LENGTH: 244
TYPE: PRT
ORGANISM: artificial
Found using '20_22_24' (spector091p.key)

169 AWYQQKPGKAPKLITYKASSLASGAPSRSFGSGGADFTLTISLQPDDEATYYCQQYSN
159

109 IWGQGTMVTVSSGGGGGGGGGGSDIMTQSPSTLSASVGDRVATCRASEGIYHHL
159

229 YPLTFGGTCKLEYKRAA
232

1 match found in sequence:
US-08-918-148-76 ; Sequence 76, Application US/08918148A
(from "/srch/paa/us089148a.comb.pep")
Sequence 76, Application US/08918148A
GENERAL INFORMATION:
APPLICANT: Adams, Camellia
APPLICANT: W.
APPLICANT: Carter, Paul J.
APPLICANT: Fendly, Brian M.
APPLICANT: Gurney, Austin L.
TITLE OF INVENTION: Agonist Antibodies
FILE REFERENCE: P0979
CURRENT APPLICATION NUMBER: US/08/918,148A
CURRENT FILING DATE: 1997-08-25
NUMBER OF SEQ ID NOS: 79
SEQ ID NO 76
LENGTH: 245
TYPE: PRT
ORGANISM: artificial
Found using '20_22_24' (spector091p.key)

109 IWGQGTMVTVSSGGGGGGGGGGSDIMTQSPSTLSASVGDRVATCRASEGIYHHL
159

229 YPLTFGGTCKLEYKRAA
232

168 AWYQQKPGKAPKLITYKASSLASGAPSRSFGSGGADFTLTISLQPDDEATYYCQQYSN
158

228 YPLTFGGTTEIKRAA
231

109 IWGQGTMVTVSSGGGGGGGGGGSDIMTQSPSTLSASVGDRVATCRASEGIYHHL
158

229 YPLTFGGTCKLEYKRAA
232

1 match found in sequence:
US-08-918-148-78 ; Sequence 78, Application US/08918148A
(from "/srch/paa/us089148a.comb.pep")
Sequence 78, Application US/08918148A
GENERAL INFORMATION:
APPLICANT: Adams, Camellia
APPLICANT: W.
APPLICANT: Carter, Paul J.
APPLICANT: Fendly, Brian M.
APPLICANT: Gurney, Austin L.
TITLE OF INVENTION: Agonist Antibodies
FILE REFERENCE: P0979
CURRENT APPLICATION NUMBER: US/08/918,148A
CURRENT FILING DATE: 1997-08-25
NUMBER OF SEQ ID NOS: 79
SEQ ID NO 78
LENGTH: 245
TYPE: PRT
ORGANISM: artificial
FEATURE:
NAME/KEY: unknown
LOCATION: 208
OTHER INFORMATION: unknown amino acid
Found using '20_22_24' (spector091p.key)

109 IWGQGTMVTVSSGGGGGGGGGGSDIMTQSPSTLSASVGDRVATCRASEGIYHHL
159

109 VHGRRGRLVTVSSGGGGGGGGSK10MTQSPSTLSASISDRVTICRASSEGIVHWL
159 AWYQDPCKAKLTYKASSIAGAPSRSQSGSCTDNEXTTISIOPDNEFATVYCOVSNT

229 YPLTGGGTKEIKRAA
232

APPLICANT: PRESTA, L.G.
TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
TITLE OF INVENTION: HAVING HETEROMULTIMERIC AND COMMON COMPONENTS
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
DRESSLER, C., D.D.S.
100

STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER: IBM PC compatible
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/070,166
FILING DATE: 30-APR-1988

ISSUED DATE: 30 APR 1998
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:

NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487

REFERENCE/DOCKET NUMBER: P1099R1
TELECOMMUNICATION INFORMATION:
INTERFACED: 650/325-2066

TELEPHONE: 850/223-2088
TELEFAX: 650/952-9881
INFORMATION FOR SEO ID NO: 25:

SEQUENCE CHARACTERISTICS:
LENGTH: 107 amino acids

TYPE: Amino Acid
TOPOLOGY: Linear

und using '20_22_24' (spector091p.key)

DIQMTQSPSTLSASICDRVITTCRASEGITYHHLAWYQQKPGKAPKLLIYKASSLASGAPSS

RFSGSGSGTDFLTULISSQPDFFATYTCQQISNYPLTEGGGKLEI

1 match found in sequence:
res-00-070-116-25 : sequence 25 normalisation rms/0007011625

03 05 07 09 10 23; sequence 23, application from "/srcb/paa/us090_COMBO.PEP" sequence 25, Application US/09070416

GENERAL INFORMATION:
APPLICANT: ARATHOON, R.
APPLICANT: CARTER, P. J.
APPLICANT: MERCHANT, A.
APPLICANT: PRESTA, L. G.

APPLICATION NUMBER: GB 9621295.6
 FILING DATE: 11-OCT-1996
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: GB 9610824.6
 FILING DATE: 23-MAY-1996
 APPLICATION NUMBER: US 08/652,816
 FILING DATE: 23-MAY-1996
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: GB 9525004.9
 FILING DATE: 07-DEC-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: DAVID W CLOUGH
 REFERENCE/DOCKET NUMBER: 36,107
 SEQUENCE CHARACTERISTICS:
 LENGTH: 108 amino acids
 - TOPOLOGY: linear
 - INFORMATION FOR SEQ ID NO: 2:
 - TELEFAX: (312) 474-0448
 - REFERENCE/DOCKET NUMBER: 28111/34697
 TELECOMMUNICATION INFORMATION:
 - TELEPHONE: (312) 474-6300
 Found using '20_22_24' (spector091p.key)

1 DIQMTQSPSTLSASIGDRVTICRASEGYHWLAWYQKPGKAPKLIIYKASSLASGRS
 24
 61 RFSGSGSGTDFLTISLQPDDFATYCCQYSNVLTFGGTKEIKR
 97

 1 match found in sequence:
 US-09-373-403-25 ; Sequence 25, Application US/09373403
 (from "/srch/paa/US093.COMB.pep")
 Sequence 25, Application US/09373403
 GENERAL INFORMATION:
 APPLICANT: ABARTHON, W. R.
 APPLICANT: CARTER, P. J.
 APPLICANT: MERCHANT, A. M.
 APPLICANT: PRESTA, L. G.
 TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES HAVING
 TITLE OF INVENTION: HETEROMULTIMERIC AND COMMON COMPONENTS
 FILE REFERENCE: P1099C1 a
 CURRENT APPLICATION NUMBER: US/09/373,403
 CURRENT FILING DATE: 1999-08-12
 PRIOR APPLICATION NUMBER: US 08/6850,058
 PRIOR FILING DATE: 1997-05-02
 NUMBER OF SEQ ID NOS: 26
 SEQ ID NO 25
 LENGTH: 107
 TYPE: PRT
 ORGANISM: Artificial sequence
 FEATURE:
 OTHER INFORMATION: Recombinant
 Found using '20_22_24' (spector091p.key)

1 DIQMTQSPSTLSASIGDRVTICRASEGYHWLAWYQKPGKAPKLIIYKASSLASGRS
 24
 61 RFSGSGSGTDFLTISLQPDDFATYCCQYSNVLTFGGTKEIKR
 97

 1 match found in sequence:
 US-09-445-376-33 ; Sequence 33, Application US/09445576
 (from "/srch/paa/US094.COMB.pep")
 Sequence 33, Application US/09445576
 GENERAL INFORMATION:
 APPLICANT: Thøgersen, Hans Christian
 APPLICANT: Ezerodt, Michael
 APPLICANT: Holtet, Thor Las
 APPLICANT: Graversen, Niels Jonas Heilskov
 APPLICANT: Kastrup, Jette Sandholm
 APPLICANT: Nielsen, Beertina Brude
 APPLICANT: Larsen, Ingrid Kjoller
 TITLE OF INVENTION: Trimerising module
 FILE REFERENCE: THØGERSN-1
 CURRENT APPLICATION NUMBER: US/09/445,576
 CURRENT FILING DATE: 2000-07-17
 PRIOR APPLICATION NUMBER: PCT/DK98/00245
 PRIOR FILING DATE: 1998-06-11
 PRIOR APPLICATION NUMBER: DK 0685/97
 PRIOR FILING DATE: 1997-06-11
 NUMBER OF SEQ ID NOS: 60
 SEQ ID NO 33
 LENGTH: 331
 TYPE: PRT
 ORGANISM: Artificial sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence:H6PYTRIBB-sCFV(CEA6)
 Found using '20_22_24' (spector091p.key)

GENERAL INFORMATION:

APPLICANT: Thøgersen, Hans Christian
 APPLICANT: Ezerodt, Michael
 APPLICANT: Holtet, Thor Las
 APPLICANT: Graversen, Niels Jonas Heilskov
 APPLICANT: Kastrup, Jette Sandholm
 APPLICANT: Nielsen, Beertina Brude
 APPLICANT: Larsen, Ingrid Kjoller
 TITLE OF INVENTION: Trimerising module
 FILE REFERENCE: THØGERSN-1
 CURRENT APPLICATION NUMBER: US/09/445,576
 CURRENT FILING DATE: 2000-07-17
 PRIOR APPLICATION NUMBER: PCT/DK98/00245
 PRIOR FILING DATE: 1998-06-11
 PRIOR APPLICATION NUMBER: DK 0685/97
 CURRENT FILING DATE: 2000-07-17
 PRIOR APPLICATION NUMBER: PCT/DK98/00245
 PRIOR FILING DATE: 1998-06-11
 PRIOR FILING DATE: 1997-06-11
 NUMBER OF SEQ ID NOS: 60
 SEQ ID NO 33
 LENGTH: 331
 TYPE: PRT
 ORGANISM: Artificial sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence:H6PYTRIBB-sCFV(CEA6)
 Found using '20_22_24' (spector091p.key)

GENERAL INFORMATION:

301	YPLIFGGTKEIKRAAEQKLISEEDINGA 304	3 matches found in sequence: US-09-445-576-34 ; Sequence 34, Application US/09445576 (from "srchPaa/US094_COMB_pep") Sequence 34, Application US/09445576 GENERAL INFORMATION: APPLICANT: Thøgersen, Hans Christian APPLICANT: Elzerord, Michael APPLICANT: Holte, Thor Las APPLICANT: Graverisen, Niels Jonas Heilskov APPLICANT: Kastrup, Jette Sandholm APPLICANT: Nielsen, Bettina Bryde APPLICANT: Larsen, Ingrid Kjoller TITLE OF INVENTION: Trimerising module FILE REFERENCE: THOERSEN "1 CURRENT APPLICATION NUMBER: US/09/445,576 CURRENT FILING DATE: 2000-07-17 PRIOR APPLICATION NUMBER: PCT/DK98/00245 PRIOR FILING DATE: 1998-06-11 PRIOR APPLICATION NUMBER: DK 0685/97 PRIOR FILING DATE: 1997-05-11 NUMBER OF SEQ ID NOS: 60 SOFTWARE: Patentin Ver. 2.0 SEQ ID NO: 34 LENGTH: 592 TYPE: PRT ORGANISM: Artificial Sequence FEATURE: OTHER INFORMATION: Description of Artificial Sequence: H6FXSCFV(CEA6)tripbscFv(CEA6) Found using '20_22_24' (spector091p.key)	428	GRSHNVELYYYMDWQGQGTMVTVSSGGGGGGGGGGGGSDIQMTQSPSTLASICDRVTICSEGIFYHML 231
488	TITCRASEGIVHMLAWYQOKPGKAPKLLIKASSLASGAPSRSFSGSGSDTDFLTISLQPDFATYCCQYSN 492	1 match found in sequence: US-09-880-748-918 ; Sequence 918, Application US/09880748 (from "srchPaa/US09_NEW_COMB_pep") Sequence 918, Application US/09880748 GENERAL INFORMATION: APPLICANT: Rouben et al. TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYs FILE REFERENCE: P523 CURRENT APPLICATION NUMBER: US/09/880, 748 CURRENT FILING DATE: 2001-06-15 PRIOR APPLICATION NUMBER: 60/212, 210 PRIOR FILING DATE: 2000-06-15 PRIOR APPLICATION NUMBER: 60/240, 816 PRIOR FILING DATE: 2000-10-17 PRIOR APPLICATION NUMBER: 60/275, 248 PRIOR FILING DATE: 2001-03-16 PRIOR APPLICATION NUMBER: 60/277, 379 PRIOR FILING DATE: 2001-03-21 PRIOR APPLICATION NUMBER: 60/293, 499 PRIOR FILING DATE: 2001-05-25 NUMBER OF SEQ ID NOS: 3239 SOFTWARE: Patentin Ver. 2.0 SEQ ID NO: 918 LENGTH: 249 TYPE: PRT ORGANISM: Homo sapiens FEATURE: OTHER INFORMATION: Description of Antibody: H6FXSCFV(CEA6)tripbscFv(CEA6) Found using '20_22_24' (spector091p.key)	488	TITCRASEGIVHMLAWYQOKPGKAPKLLIKASSLASGAPSRSFSGSGSDTDFLTISLQPDFATYCCQYSN 492
128	WNGQGTIVTVSSGGGGGGGGGGSDIQMTQSPSTLASICDRVTICSEGIFYHML 178	1 match found in sequence: US-09-880-748-922 ; Sequence 922, Application US/09880748 (from "srchPaa/US09_NEW_COMB_pep") Sequence 922, Application US/09880748 GENERAL INFORMATION: APPLICANT: Ruben et al. TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYs FILE REFERENCE: P523	128	WNGQGTIVTVSSGGGGGGGGGGSDIQMTQSPSTLASICDRVTICSEGIFYHML 178
188	AWYQQPKGKAPKLLIKASSLASGAPSRSFSGSGSDTDFLTISLQPDFATYCCQYSN 251	1 match found in sequence: US-09-880-748-922 ; Sequence 922, Application US/09880748 (from "srchPaa/US09_NEW_COMB_pep") Sequence 922, Application US/09880748 GENERAL INFORMATION: APPLICANT: Ruben et al. TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYs FILE REFERENCE: P523	188	AWYQQPKGKAPKLLIKASSLASGAPSRSFSGSGSDTDFLTISLQPDFATYCCQYSN 251
248	YPLIFGGTKEIKRAAEQKLISEEDINGTEPPTQPKPKIVWAKKDVYNTKMEELK 251	1 match found in sequence: US-09-880-748-922 ; Sequence 922, Application US/09880748 (from "srchPaa/US09_NEW_COMB_pep") Sequence 922, Application US/09880748 GENERAL INFORMATION: APPLICANT: Ruben et al. TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYs FILE REFERENCE: P523	248	YPLIFGGTKEIKRAAEQKLISEEDINGTEPPTQPKPKIVWAKKDVYNTKMEELK 251
308	SRDLTAAQEVALIKEQDQALQGQVOLQSAEVKPGSSVKVSKASGGTFNSPINW 304	1 match found in sequence: US-09-880-748-922 ; Sequence 922, Application US/09880748 (from "srchPaa/US09_NEW_COMB_pep") Sequence 922, Application US/09880748 GENERAL INFORMATION: APPLICANT: Ruben et al. TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYs FILE REFERENCE: P523	308	SRDLTAAQEVALIKEQDQALQGQVOLQSAEVKPGSSVKVSKASGGTFNSPINW 304

CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/312,210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-06-17
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 922
LENGTH: 251
TYPE: PRT
ORGANISM: Homo sapiens
Found using '20_22_24' (spector091p.key)

1 match found in sequence:
US-09-880-748-932 ; Sequence 932, Application US/09880748
(from "/srch/paa/us09_NEW.Comb.pep")

GENERAL INFORMATION:
APPLICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYS
FILE REFERENCE: PF523
CURRENT APPLICATION NUMBER: US/09/880, 748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212, 210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240, 816
PRIOR FILING DATE: 2000-06-17
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 922
LENGTH: 251
TYPE: PRT
ORGANISM: Homo sapiens
Found using '20_22_24' (spector091p.key)

1 match found in sequence:
US-09-880-748-926 ; Sequence 926, Application US/09880748
(from "/srch/paa/us09_NEW.Comb.pep")

GENERAL INFORMATION:
APPLICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYS
FILE REFERENCE: PF523
CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212, 210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240, 816
PRIOR FILING DATE: 2000-06-17
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 922
LENGTH: 250
TYPE: PRT
ORGANISM: Homo sapiens
Found using '20_22_24' (spector091p.key)

1 match found in sequence:
US-09-880-748-926 ; Sequence 926, Application US/09880748
(from "/srch/paa/us09_NEW.Comb.pep")

GENERAL INFORMATION:
APPLICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYS
FILE REFERENCE: PF523
CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212, 210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240, 816
PRIOR FILING DATE: 2000-06-17
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 922
LENGTH: 249
TYPE: PRT
ORGANISM: Homo sapiens
Found using '20_22_24' (spector091p.key)

1 match found in sequence:
US-09-880-748-926 ; Sequence 926, Application US/09880748
(from "/srch/paa/us09_NEW.Comb.pep")

GENERAL INFORMATION:
APPLICANT: Ruben et al.

TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYS
FILE REFERENCE: PF523
CURRENT APPLICATION NUMBER: US/09/880,748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212, 210
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 60/240, 816
PRIOR FILING DATE: 2000-06-17
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 922
LENGTH: 247
TYPE: PRT

ORGANISM: Homo sapiens
 Found using '20_22_24' (spector091p.key)

...

113 YWQGQGLTVTSSGGGGGGGGGGSDIQMTQSPSTLSASIGDRVITICRASEGYHNL
 163

173 AWYQKPGKAKPLLIKASSLASGAPSFRSSSGSGTDFLTISIQLQPDFATYCCQYSN
 LENGTH: 247

233 YPLTFGGGTKLEIKR
 236

1 match found in sequence:

US-09-880-748-1108 ; Sequence 1008, Application US/09880748
 (from "/srch/paa/us09_NEW_COMBO_Pep")

Sequence 1108, Application US/09880748

GENERAL INFORMATION:

APPLICANT: Ruben et. al.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYS
 FILE REFERENCE: PF523

CURRENT APPLICATION NUMBER: US/09/880,748
 CURRENT FILING DATE: 2001-06-15
 PRIORITY APPLICATION NUMBER: 60/212,210

PRIOR FILING DATE: 2000-06-15
 PRIORITY APPLICATION NUMBER: 60/240,816

PRIOR FILING DATE: 2000-10-17
 PRIORITY APPLICATION NUMBER: 60/276,248

PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21

PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25

NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 1008
 LENGTH: 248

TYPE: PRT

ORGANISM: Homo sapiens
 Found using '20_22_24' (spector091p.key)

...

113 VWKGKGLTVTSSGGGGGGGGGGSDIQMTQSPSTLSASIGDRVITICRASEGYHNL
 163

173 AWYQKPGKAKPLLIKASSLASGAPSFRSSSGSGTDFLTISIQLQPDFATYCCQYSN
 LENGTH: 247

233 YPLTFGGGTKLEIKR
 236

1 match found in sequence:

US-09-880-748-1188 ; Sequence 1188, Application US/09880748
 (from "/srch/paa/us09_NEW_COMBO_Pep")

Sequence 1188, Application US/09880748

GENERAL INFORMATION:

APPLICANT: Ruben et. al.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYS
 FILE REFERENCE: PF523

CURRENT APPLICATION NUMBER: US/09/880,748
 CURRENT FILING DATE: 2001-06-15
 PRIORITY APPLICATION NUMBER: 60/212,210

PRIOR FILING DATE: 2000-06-15
 PRIORITY APPLICATION NUMBER: 60/240,816

PRIOR FILING DATE: 2000-10-17
 PRIORITY APPLICATION NUMBER: 60/276,248

PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21

PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25

NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 1188
 LENGTH: 249

TYPE: PRT

ORGANISM: Homo sapiens
 Found using '20_22_24' (spector091p.key)

...

1 match found in sequence:
 US-09-880-748-1177 ; Sequence 1177, Application US/09880748
 (from "/srch/paa/us09_NEW_COMBO_Pep")

Sequence 1177, Application US/09880748

GENERAL INFORMATION:

APPLICANT: Ruben et. al.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYS
 FILE REFERENCE: PF523

CURRENT APPLICATION NUMBER: US/09/880,748
 CURRENT FILING DATE: 2001-06-15
 PRIORITY APPLICATION NUMBER: 60/212,210

PRIOR FILING DATE: 2000-06-15

115 GWGQGLTVTSSGGGGGGGGGGSDIQMTQSPSTLSASIGDRVITICRASEGYHNL
 165

175 AWYQKPGKAKPLLIKASSLASGAPSFRSSSGSGTDFLTISIQLQPDFATYCCQYSN
 LENGTH: 247

235 YPLTFGGGTKLEIKR
 238

1 match found in sequence:

US-09-880-748-1177 ; Sequence 1177, Application US/09880748
 (from "/srch/paa/us09_NEW_COMBO_Pep")

Sequence 1177, Application US/09880748

GENERAL INFORMATION:

APPLICANT: Ruben et. al.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYS
 FILE REFERENCE: PF523

CURRENT APPLICATION NUMBER: US/09/880,748
 CURRENT FILING DATE: 2001-06-15
 PRIORITY APPLICATION NUMBER: 60/212,210

PRIOR FILING DATE: 2000-06-15

165 AWYQQKPGKAPKLLYKASSLASGAPSRSRSGSGTDFLTISLQPDFFATYYCQQYSN
 225 YPLTFGGGTKEIKR
 228

 1 match found in sequence:
 US-09-880-748-1883 ; Sequence 1883, Application US/09880748
 (from "srch/paa/us09 NEW COMB.pep")
 Sequence 1883, Application US/09880748
 GENERAL INFORMATION:
 APPLICANT: Ruben et al.
 FILE REFERENCE: PF523
 CURRENT APPLICATION NUMBER: US/09/880,748
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-15
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 1883
 LENGTH: 243
 TYPE: PRT
 ORGANISM: Homo sapiens
 Found using '20_22_24' (spector091p.key)
 ...
 109 IWGQTLATVSSGGGGGGGGSDIOMTQSPSTLSSASIGDRVITTCRASEGIVHWL
 159
 169 AWYQQKPGKAPKLLYKASSLASGAPSRSRSGSGTDFLTISLQPDFFATYYCQQYSN
 229 YPLTFGGGTKEIKR
 232

 1 match found in sequence:
 US-09-880-748-1889 ; Sequence 1889, Application US/09880748
 (from "srch/paa/us09_New_COMB.pep")
 Sequence 1889, Application US/09880748
 GENERAL INFORMATION:
 APPLICANT: Ruben et al.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYS
 FILE REFERENCE: PF523
 CURRENT APPLICATION NUMBER: US/09/880,748
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 1900
 LENGTH: 245
 TYPE: PRT
 ORGANISM: Homo sapiens
 Found using '20_22_24' (spector091p.key)
 ...
 111 IWGQTLATVSSGGGGGGGGSDIOMTQSPSTLSSASIGDRVITTCRASEGIVHWL
 161
 171 AWYQQKPGKAPKLLYKASSLASGAPSRSRSGSGTDFLTISLQPDFFATYYCQQYSN
 231 YPLTFGGGTKEIKR
 234

 1 match found in sequence:
 US-09-880-748-1901 ; Sequence 1901, Application US/09880748
 (from "srch/paa/us09_New_COMB.pep")
 Sequence 1901, Application US/09880748
 GENERAL INFORMATION:
 APPLICANT: Ruben et al.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYS

FILE REFERENCE: PF523
 CURRENT APPLICATION NUMBER: US/09880,748
 PRIOR FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 1901
 LENGTH: 241
 TYPE: PRT
 ORGANISM: Homo sapiens
 Found using '20_22_24' (spector091p.key)

1 match found in sequence:
 US-09-880-748-1920 ; Sequence 1920, Application US/09880748
 (from "/srch/paa/US09_NEW_COMBO.pep")
 Sequence 1920, Application US/09880748

GENERAL INFORMATION:
 APPLICANT: Ruben et al.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLY's
 FILE REFERENCE: PF523
 CURRENT APPLICATION NUMBER: US/09880748
 PRIOR FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 CURRENT FILING DATE: 2001-03-16
 PRIOR FILING NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 1920
 LENGTH: 246
 TYPE: PRT
 ORGANISM: Homo sapiens
 Found using '20_22_24' (spector091p.key)

1 match found in sequence:
 US-09-880-748-1902 ; Sequence 1902, Application US/09880748
 (from "/srch/paa/US09_NEW_COMBO.pep")
 Sequence 1902, Application US/09880748

GENERAL INFORMATION:
 APPLICANT: Ruben et al.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLY's
 FILE REFERENCE: PF523
 CURRENT APPLICATION NUMBER: US/09880748
 PRIOR FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/278,499
 PRIOR FILING DATE: 2001-05-25
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 1902
 LENGTH: 245
 TYPE: PRT
 ORGANISM: Homo sapiens
 Found using '20_22_24' (spector091p.key)

1 match found in sequence:
 US-09-880-748-1922 ; Sequence 1922, Application US/09880748
 (from "/srch/paa/US09_NEW_COMBO.pep")
 Sequence 1922, Application US/09880748

GENERAL INFORMATION:
 APPLICANT: Ruben et al.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLY's
 FILE REFERENCE: PF523
 CURRENT APPLICATION NUMBER: US/09880748
 PRIOR FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/278,499
 PRIOR FILING DATE: 2001-05-25
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 1922
 LENGTH: 239

1 match found in sequence:
 US-09-880-748-1911 ; Sequence 1911, Application US/09880748
 (from "/srch/paa/US09_NEW_COMBO.pep")
 Sequence 1911, Application US/09880748

GENERAL INFORMATION:
 APPLICANT: Ruben et al.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLY's
 FILE REFERENCE: PF523
 CURRENT APPLICATION NUMBER: US/09880748
 PRIOR FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/278,499
 PRIOR FILING DATE: 2001-05-25
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 1911
 LENGTH: 239

TYPE: PRT
ORGANISM: Homo sapiens
Found using '20_22_24' (spector091p.key)

105 YWGKGLTVVSSGGGGGGGGGGSDIQMTQSPSTLSASIGDRVITCRASEGIVHWL
155 AWYQQRPGKAPKLLIYKASSLASGAPSRSFSGSGSDTFLTITISSLQPDDFTYQOYSN
159

225 YPLTFRGGTKEIIR
228

1 match found in sequence:
US-09-748-1935 ; Sequence 1935, Application US/09880748
(from "/srch/pa/us09_NEW_COMBO.pep")
Sequence 1935, Application US/09880748
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYS
FILE REFERENCE: PF523
CURRENT APPLICATION NUMBER: US/09/880, 748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212, 210
PRIOR FILING DATE: 2000-05-15
PRIOR APPLICATION NUMBER: 60/240, 816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276, 248
PRIOR FILING DATE: 2001-01-16
PRIOR APPLICATION NUMBER: 60/277, 379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293, 499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 1935
LENGTH: 243
TYPE: PRT
ORGANISM: Homo sapiens
Found using '20_22_24' (spector091p.key)

109 YWGQSGTVTVSSGGGGGGGGGGSDIQMTQSPSTLSASIGDRVITCRASEGIVHWL
159 AWYQQRPGKAPKLLIYKASSLASGAPSRSFSGSGSDTFLTITISSLQPDDFTYQOYSN
159

229 YPLTFRGGTKEIIR
232

1 match found in sequence:
US-09-380-748-1948 ; Sequence 1948, Application US/09880748
(from "/srch/pa/us09_NEW_COMBO.pep")
Sequence 1948, Application US/09880748
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYS
FILE REFERENCE: PF523
CURRENT APPLICATION NUMBER: US/09/880, 748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212, 210
PRIOR FILING DATE: 2000-05-15
PRIOR APPLICATION NUMBER: 60/240, 816
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 60/276, 248
PRIOR FILING DATE: 2001-01-16
PRIOR APPLICATION NUMBER: 60/277, 379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/293, 499
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 3239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 1948
LENGTH: 241
TYPE: PRT
ORGANISM: Homo sapiens
Found using '20_22_24' (spector091p.key)

107 YWGKGLTVVSSGGGGGGGGGGSDIQMTQSPSTLSASIGDRVITCRASEGIVHWL
157 AWYQQRPGKAPKLLIYKASSLASGAPSRSFSGSGSDTFLTITISSLQPDDFTYQOYSN
157

227 YPLTFRGGTKEIETR
230

1 match found in sequence:
US-09-880-748-1945 ; Sequence 1945, Application US/09880748
(from "/srch/pa/us09_NEW_COMBO.pep")
Sequence 1945, Application US/09880748
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYS
FILE REFERENCE: PF523
CURRENT APPLICATION NUMBER: US/09/880, 748
CURRENT FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/212, 210

 1 match found in sequence:
 US-09-880-748-2062 ; Sequence 2062, Application US/09880748
 (from "/srch/paa/us09_NEW_COMBO.PEP")
 GENERAL INFORMATION:
 APPLICANT: Ruben et al.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYS
 FILE REFERENCE: PFS523
 CURRENT APPLICATION NUMBER: US/09/880,748
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: Patentin Ver. 2.0
 SEQ ID NO 2062
 LENGTH: 246
 TYPE: PRT
 ORGANISM: Homo sapiens
 Found using '20_22_24', (spector091p.key)

112 |-----
 IMQGQGTMVTVSSGGGGGGGGGGSDIQTQSPSTLSASIGDRVTTCRASEGIYHWL
 162 |-----
 172 AWYQKPGKAPKLILYKASSLASGAPSFRSGSGSTDFLTISLQPDDFATYCQQYSN

 232 |-----
 YPLIFGGGTKEIKR
 235 |-----
 1 match found in sequence:
 US-09-880-748-2063 ; Sequence 2063, Application US/09880748
 (from "/srch/paa/us09_NEW_COMBO.PEP")
 GENERAL INFORMATION:
 Sequence 2063, Application US/09880748
 APPLICANT: Ruben et al.
 TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLYS
 FILE REFERENCE: PFS523
 CURRENT APPLICATION NUMBER: US/09/880,748
 CURRENT FILING DATE: 2001-06-15
 PRIOR APPLICATION NUMBER: 60/212,210
 PRIOR FILING DATE: 2000-06-15
 PRIOR APPLICATION NUMBER: 60/240,816
 PRIOR FILING DATE: 2000-10-17
 PRIOR APPLICATION NUMBER: 60/276,248
 PRIOR FILING DATE: 2001-03-16
 PRIOR APPLICATION NUMBER: 60/277,379
 PRIOR FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/293,499
 PRIOR FILING DATE: 2001-05-25
 NUMBER OF SEQ ID NOS: 3239
 SOFTWARE: Patentin Ver. 2.0
 SEQ ID NO 2063
 LENGTH: 243
 TYPE: PRT
 ORGANISM: Homo sapiens
 Found using '20_22_24', (spector091p.key)

109 |-----
 YWGRTLTVSSGGCGGGGGGGSDIQTQSPSTLSASIGDRVTTCRASEGIYHWL
 159 |-----
 169 AWYQKPGKAPKLILYKASSLASGAPSFRSGSGSTDFLTISLQPDDFATYCQQYSN

 229 |-----
 YPLIFGGGTKEIKR
 232 |-----
 1 match found in sequence:
 US-09-863-693-25 ; Sequence 25, Application US/09863693
 (from "/srch/paa/us09_NEW_COMBO.PEP")
 Sequence 25, Application US/09863693
 GENERAL INFORMATION:
 APPLICANT: ARATHON, R.
 CARRIER, P.J.
 MERCHANT, A.M.
 PRESA, L.G.
 TITLE OF INVENTION: METHOD FOR MAKING MULTISPECIFIC ANTIBODIES
 HAVING HETEROMULTIMERIC AND COMMON COMPONENTS
 NUMBER OF SEQUENCES: 26
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 1 DNA Way
 CITY: South San Francisco
 STATE: California
 COUNTY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Winpatin (Genentech)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/863,693
 FILING DATE: 23-May-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/070,166
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Conley, Deirdre L.
 REFERENCE/DOCKET NUMBER: P1099R1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650/922-2066
 TELEFAX: 650/922-9881
 INFORMATION FOR SEQ ID NO: 25:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 107 amino acids
 TYPE: Amino Acid
 TOPOLOGY: Linear
 SEQUENCE DESCRIPTION: SEQ ID NO: 25:
 Found using '20_22_24', (spector091p.key)

1 |-----
 DIQMTQSPSTLSASIGDRVTTCRASEGIYHWLAWWYQKPGKAPKLILYKASSLASGAPS
 24 |-----
 61 RFSGSGSGTDFLTISLQPDDFATYCQQYSNPLFEGGTKEIK
 97 |-----

Times: -- Search Statistics --
 CPU Total Elapsed

Tue Sep 11 06:30:15 2001

20_22_24pen.res

Page 22

00:21:59.04

00:59:29.00

Number of sequences searched: 2975556
Number of sequence hits: 68
Number of separate matches: 70
Number of sequence hits saved: 0

```
!SEQUENCE_LIST 1.0
!FINDPATTERNS on PIR: * allowing 0 mismatches
1 RASEGTYHWLAX{}KASSLASX{}QQYSNYPLT
```

September 4, 2

Tue Sep 11 06:30:17 2001

20_22_24sp.find

Page 1

```
!SEQUENCE_LIST 1.0
| FINDPATTERNS on Swiss-Prot: * allowing 0 mismatches
| 1 RASEGIYHMLAX[]KASSLASX[]QQQYSNYPLT
```

September 5, 2001

Tue Sep 11 06:30:18 2001

36_38_40est.find

Page 1

```
! !SEQUENCE_LIST 1.0
! !FINDPATTERNS on EST: * allowing 0 mismatches
!
1 AGCCATAACATGAACN[]TCCATTAGTAGTAGTAGTACATATACGAGACTCAGTGAAGGCGGATTCAC
```



```
!SEQUENCE_LIST 1 0
!FINDPATTERNS on GenEMBL: * allowing 0 mismatches
1 AGCCATAACATGACN[)TCCATTAGTAGTAGTACATATACTACCCAGACTCAGTGAAAGGCCGATTAC
```


Tue Sep 11 06:30:21 2001

36_38_40ngs.find

Page 1

```
! !SEQUENCE_LIST 1.0
! FINDPATTERNS on geneseqn: * allowing 0 mismatches
1 1 AGCCATAACATGACN{ }TCCATTAGTAGTAGTTACATATACTACGGACACTCAGTGAAAGGCCGATTCAC
```



```
> 0 <
> 0 | 0  Intelligentech
> 0 <
```

Quest - Quick User-directed Expression Search Tool
Release 5.4

-- Outline of search "36_38_40open" --

Selected search type is key against sequence data banks or files.

Selected scope is Sequence.

Selected sequence key from "Spector091n.key":

36_38_40 (NA) ID 36_38_40 NA preliminary pattern

```
1 followed by
  agccaaacatgaac
2 any number of any character
  tcattatgtatgtatatactacacgcaactcgtaaaggccgattcaccatctcc
2 any number of any character
  gatcgggggtatccgtatggacgtcc
```

Selected data banks and files:

Data bank : Pending_NA , all entries

-- Output Parameters --

Format Options:	File Options:
Nucleic acid code matching	Exact: Indirect file
Find non-matching hits only	No: Sequence or key file
Report key used	Yes: List of hits
Note position of hit	Yes: Hit display
Display full annotations	Yes: Name and annotations
Sequence context	50: Yes

-- Run Parameters --

Run mode	Batch
Time to start comparison	now
Notify at end of run	No

No hits found.

-- Search Statistics --

Times:	CPU	Total Elapsed
	15:11:54.08	06:50:19.00
Number of sequences searched:		15472368
Number of sequence hits:	0	
Number of separate matches:	0	
Number of sequence hits saved:	0	


```
> O < IntelliGenetics
> O <
```

Quest - Quick User-directed Expression Search Tool
Release 5.4

-- Outline of search "37_39_41" --

Selected search type is key against sequence data banks or files.
Selected scope is sequence.

Selected sequence key from "spector091p.key": pattern
37_39_41 (AA) ID 37_39_41 AA preliminary pattern

1 followed by
2 shmn
any number of any character
2 issssyyiyadsvigrflis
any number of any character
2 drgstdgv

Selected files:

File : 37_39_4lags.pep

-- Output Parameters --

Format Options:
Nucleic acid code matching Exact
Find non-matching hits only No
Report key used Yes
Note Position of hit Yes
Display full annotations Yes
Sequence context 50

File Options:
Indirect file
Sequence or key file
List of hits
Hit display
Name and annotations Yes

PR 25-AUG-1997; 97US-091814B.
XX
PA (GETH) GENENTECH INC.
XX
PI Adams CW, Carter PJ, Fendly BM, Gurney AL;
XX
DR
XX
PT New thrombopoietin receptor agonist antibodies - useful for
treating immunological or hematological disorders
XX
PS Disclosure; Fig 1; 86pp; English.

The invention relates to an agonist antibody (Ab) which binds to a thrombopoietin receptor (TPO-R). The antibodies which bind the TPO-R can be used in the same way and for the same indications as thrombopoietin (TPO). They can stimulate proliferation, differentiation or growth of megakaryocytes. They may also be able to stimulate megakaryocytes to increase platelet production. They can be used for treating immunological or hematopoietic disorders, especially thrombocytopenia. Thrombocytopenia -associated bone marrow hypoplasia (e.g. aplastic anemia following chemotherapy or bone marrow transplant) may be effectively treated with the antibody compounds as well as disorders such as disseminated intravascular coagulation (DIC), immune thrombocytopenia, (HIV-induced and non HIV-induced), chronic idiopathic thrombocytopenia, congenital thrombocytopenia, thrombotic thrombocytopenia and myelodysplastic. They can also be used in e.g. myelotoxic chemotherapy for treatment of solid tumours or leukaemia, myeloblastic chemotherapeutic, autologous or allogeneic bone marrow transplant, myelodysplasia, and immune idiopathic aplastic anaemia, congenital thrombocytopenia, and immune thrombocytopenia. The antibodies which bind to the MUSK receptor can be used for improving neuromuscular function in a patient, e.g. in muscular dystrophy. The products can also be used for detection and diagnosis. The antibodies have a longer half-life than the natural ligand for the TPO-R. Sequences AAY06713-Y06718 represent single chain Fv (scFv) fragments of various antibodies.

Run mode Batch
Time to start comparison now
Notify at end of run No

1 match found in sequence:
ayy06717 ; Antibody 12B5 single chain Fv (scFv) fragment.

(From "37_39_4lags.pep")
TOIG of: aay06717 check: 1357 from: 1 to: 279

ID AAY06717 standard; Protein; 245 AA.

XX
AC AAY06717;
XX
DT . 17-JUN-1999 (first entry)

DE Antibody 12B5 single chain Fv (scFv) fragment.

KW Agonist antibody; thrombopoletin receptor; TPO-R; thrombopoletin; DIC; megakaryocyte; platelet; immunological; hematopoietic; thrombocytopenia; bone marrow hypoplasia; disseminated intravascular coagulation; anemia; myelodysplasia; myelotoxic chemotherapy; leukaemia; tumour; MuSK; CDR; neuromuscular; muscular dystrophy; complementarity determining region; KW
XX
OS Homo sapiens.

XX
FH Key Location/Qualifiers
FT Misc-difference 208 /note= "unspecified"

XX
PN W09910494-A2.
XX
PD 04-MAR-1999.
XX
PF 21-AUG-1998; 98WO-US17364.

17 LKMFPSIWVSOOTHERSMAQVQLVSEGGGLVKPGGLSLRLSCAASGFTFSSHHNNWVQAA
|-----
77 PGKCLEWVSSSSSSYYIYADSVKGRTFISRDNAKNSLYLQMNNSRAEDTAVYVCCR
XX
137 GSTGMDWGRGLTVVSGGGGSGGGGGSDIOMTOSPSTLNASIGDRVLTICR
XX
143

...
-- Search Statistics --

Times:	CPU	Total	Elapsed
	00:00:00.00	00:00:00.00	

Number of sequences searched: 1
Number of sequence hits: 1
Number of separate matches: 1
Number of sequence hits saved: 0


```
> 0 <
01 10  Intelligenetics
> 0 <
```

```
Quest - Quick User-directed Expression Search Tool
Release 5.4
```

```
-- Outline of search "37_39_4liss" --
```

```
Selected search type is key against sequence data banks or files.
Selected scope is sequence.
```

```
Selected sequence key from "spectord91p.key":
```

```
37_39_41 (AA) ID 37_39_41 AA preliminary pattern
```

```
1      followed by
2      shmn
2      any number of any character
2      lssssvvyydsvkrfhtis
2      any number of any character
2      dgstgmdv
```

```
Selected data banks and files:
```

```
Data bank : Issued_AA , all entries
```

```
-- Output Parameters --
```

```
Format Options:
```

Nucleic acid code matching	Exact	File Options:
Find non-matching hits only	No	Indirect file
Report key used	Yes	Sequence or key file
Note position of hit	Yes	List of hits
Display full annotations	Yes	Hit display
Sequence context	50	Name and annotations

```
No
```

```
No
```

```
Yes
```

```
Yes
```

```
Yes
```

```
Yes
```

```
-- Run Parameters --
```

Run mode	Batch
Time to start comparison	now
Notify at end of run	No

```
No hits found.
```

```
-- Search Statistics --
```

Times:	CPU	Total Elapsed
	00:02:03.08	00:06:38.00
Number of sequences searched:	197390	
Number of sequence hits:	0	
Number of separate matches:	0	
Number of sequence hits saved:	0	


```

> 0 < Intelligenetics
> 0 <
Quest - Quick User-directed Expression Search Tool
Release 5.4

-- Outline of search "37_39_41pen" --
Selected search type is key against sequence data banks or files.
Selected scope is Sequence.
Selected sequence key from "spector091p.key":
1 followed by
2       shmm
2       any number of any character
2       issssyyiyadsvgrftis
2       any number of any character
2       drgstgmdv

Selected data banks and files:
Data bank : Pending_AA , all entries

-- Output Parameters --
Format Options:
Nucleic acid code matching      Exact      File Options:
Find non-matching hits only    No        Indirect file
Report key used                Yes       Sequence or key file
Note position of hit           Yes       List of hits
Display full annotations       Yes       Hit display
Sequence context                Yes       Name and annotations
                                         50

-- Run Parameters --
Run mode
Time to start comparison      Batch
Notify at end of run          now
No

-----
1 match found in sequence:
US-08-918-148-78 ; Sequence 78, Application US/08918148A
(from "/srcn/paa/us08918148a")
Sequence 78, Application US/08918148A
GENERAL INFORMATION:
APPLICANT: Adams, Camellia
APPLICANT: W.
APPLICANT: Carter, Paul J.
APPLICANT: Fendly, Brian M.
APPLICANT: Gurney, Austin L.
TITLE OF INVENTION: Agonist Antibodies
FILE REFERENCE: P0979
CURRENT APPLICATION NUMBER: US/08918148A
NUMBER OF SEQ ID NOS: 79
SEQ ID NO: 78
LENGTH: 245
TYPE: PRT
ORGANISM: artificial
FEATURE:
NAME/KEY: unknown
LOCATION: 208
OTHER INFORMATION: unknown amino acid
Found using '37_39_41' (spector091p.key)

1  MAQVQIQLVSGGGLVKGGSRLSCAASGFTSSHHNNWWRQAPGKGLIEWVSSISSSSYI
   33
-----+
YYADSKKGRTFISDNARNNSLYLQMSNLSRAEDTAVVYCARDRGSTGMDVNGRGLTVVSS

```


Tue Sep 11 06:30:25 2001

37_39_41pir.find

Page 1

```
!SEQUENCE_LIST 1.0
!FINDPATTERNS on PIR:*
!          allowing 0 mismatches
1 1 SHNMX{}ISSSYYIYADSVKGRTISX{}DRGSTGMDV
```

Septem


```
!SEQUENCE_LIST 1.0
!FINDPATTERNS on Swiss-Prot: * allowing 0 mismatches
1 1 SHNMNX{IISSSSXYIYADSVKGFTISX{DRCSTGMDV
```

Septen
